

System 3R Products**2015 US Price List**

Effective March 30, 2015

Part Number	Description	D/C	Price US \$
3R-1.321-HS	Hi-Speed Mini Rotating Spindle. Complete with Speed Control and set of ten ER 16 Collets	S	11,225.00
1.6S	Electric Drive Rotating Spindle with built-in Mini Chuck. Complete with Speed Control.	S	18,995.00
3R-13.321	Electrode Holder - Square - mounted to 20mm Shank	S	4,365.00
3R-150/5	Cassettes - 5 hole - (set of 30)	S	135.00
3R-20-AEC	Mini Measuring Tool w/ 3mm Dia. Solid Straight Probe	S	1,035.00
3R-21-AEC-1	Mini Measuring Tool w/ 3mm Dia. Ball Probe	S	2,060.00
3R-23	Mini Master Control Rod	S	675.00
3R-27.2	Maxi Dovetail Quick Clamp Holder	S	2,800.00
3R-27.2-4	Maxi Chuck - Agie	S	4,100.00
3R-29	Maxi Dovetail Electrode Holder, un-hardened	S	1,480.00
3R-29.1	Maxi Dovetail Electrode Holder, un-hardened	S	955.00
3R-29.2	Maxi Dovetail Holder, hardened	S	2,570.00
3R-3.321-2	Mini Indicator Spindle	S	2,100.00
3R-301	Mini Accu-Clips for use on 3R-322/XXX (set of 10)	S	130.00
3R-310E	Mini Electrode Holder 50mm Flanged (set of 2)	S	290.00
3R-310EE	Mini Electrode Holder 50mm Flanged (set of 10)	S	1,150.00
3R-311.2	Mini Collet Holder (ER20) Collets not included	S	1,080.00
3R-311.2-00	Mini Collet Holder Kit, complete w/12 pcs. ER20 Collets	S	3,150.00
3R-311.3	Mini Collet Holder (ER16).Collets not included	S	1,095.00
3R-311.3-00	Mini Collet Holder Kit, complete w/10 pcs. ER16 Collets	S	2,845.00
3R-311.4	Albrecht Tubing Chuck (0" - .125") mounted on 20mm Shank	S	1,695.00
3R-314.2	Mini Master Control Rule	S	1,825.00
3R-321.2-4X90	Mini Lathe Chuck	S	1,940.00
3R-321.46	Mini Block	S	2,450.00
3R-321.5	Mini Chuck for direct mounting to EDM	S	1,975.00
3R-321-4X90	Mini Chuck for use on Magnet (3R-6)	S	2,395.00
3R-321-EXH-SP03	Measuring Tool 3mm Ball	S	775.00
3R-321-EXH-SP05	Measuring Tool 5mm Ball	S	775.00
3R-321-EXH-SP06	Measuring Tool 6mm Ball	S	775.00
3R-321-EXH-SP10	Measuring Tool 10mm Ball	S	775.00
3R-322/100	Mini Electrode Holder 100mm (set of 10)	S	595.00
3R-322/25S	Mini Electrode Holder 25mm - Simplex - MANUAL CHUCKS (set of 30)	S	590.00
3R-322/25S-10	Mini Electrode Holder 25mm - Simplex - MANUAL CHUCKS (set of 10)	S	200.00
3R-322/50	Mini Electrode Holder 50mm for AEC (set of 10)	S	265.00
3R-322/50E	Mini Electrode Holder 50mm for AEC (set of 30)	S	800.00
3R-322/50S	Mini Electrode Holder 50mm - Simplex - MANUAL CHUCKS (set of 30)	S	635.00
3R-322/50S-10	Mini Electrode Holder 25mm - Simplex - MANUAL CHUCKS (set of 10)	S	215.00
3R-333-03	Wrench 3mm Hex "T" Handle (set of 10)	S	70.00
3R-333-03S	Wrench 3mm Hex "T" Handle - (1 pc)	S	8.00
3R-333-05	Wrench 5mm Hex "T" Handle (set of 10)	S	95.00
3R-333-05S	Wrench 5mm Hex "T" Handle (1 pc)	S	10.00
3R-333-T20	T20 Torx Screwdriver	S	55.00
WEDM Dovetails			
3R-200.11J-7	Dovetail with Hardware for Specific Machine Bolt Pattern - 345mm Long	S	
3R-200.19J-11	Dovetail with Hardware for Specific Machine Bolt Pattern - 198mm Long	S	975.00
3R-200.1J-11	Dovetail with Hardware for Specific Machine Bolt Pattern - 98mm Long	S	1,070.00
3R-200.1J-62	Dovetail - ICS-3R Adapter Base	S	1,995.00
3R-200.1J-P1	Dovetail for Presetting station 145 mm	S	890.00
3R-200.1J-STD	Dovetail with Hardware for Specific Machine Bolt Pattern - 120mm Long	S	895.00
3R-200.1J-U	Dovetail - Universal - 140mm Long	S	950.00
3R-200.11J-7	Dovetail with Hardware for Specific Machine Bolt Pattern - 345mm Long	S	1,250.00
3R-200.24J-2	Dovetail with Hardware for Specific Machine Bolt Pattern - 245mm Long	S	1,010.00
3R-200.29J-1	Dovetail with Hardware for Specific Machine Bolt Pattern - 295mm Long	S	1,025.00
3R-200.29J-11	Dovetail with Hardware for Specific Machine Bolt Pattern - 298mm Long	S	1,025.00
3R-200.29J-2	Dovetail with Hardware for Specific Machine Bolt Pattern - 298mm Long	S	1,135.00
3R-200.29J-7	Dovetail with Hardware for Specific Machine Bolt Pattern - 295mm Long	S	1,025.00

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3R-200.2J-1	Dovetail with Hardware for Specific Machine Bolt Pattern - 209mm Long	S	975.00
3R-200.2J-11	Dovetail with Hardware for Specific Machine Bolt Pattern - 198mm Long	S	995.00
3R-200.2J-2	Dovetail with Hardware for Specific Machine Bolt Pattern - 209mm Long	S	975.00
3R-200.2J-4	Dovetail with Hardware for Specific Machine Bolt Pattern - 209mm Long	S	995.00
3R-200.2J-STD	Dovetail with Hardware for Specific Machine Bolt Pattern - 199mm Long	S	995.00
3R-200.39J-12	Dovetail with Hardware for Specific Machine Bolt Pattern - 370mm Long	S	1,295.00
3R-200.39J-2	Dovetail with Hardware for Specific Machine Bolt Pattern - 395mm Long	S	1,295.00
3R-200.3J	Dovetail BLANK - NO HOLES, 345mm Long	S	1,125.00
3R-200.3J-1	Dovetail with Hardware for Specific Machine Bolt Pattern - 345mm Long	S	1,125.00
3R-200.3J-11	Dovetail with Hardware for Specific Machine Bolt Pattern - 298mm Long	S	1,125.00
3R-200.3J-12	Dovetail with Hardware for Specific Machine Bolt Pattern - 345mm Long	S	1,150.00
3R-200.3J-2	Dovetail with Hardware for Specific Machine Bolt Pattern - 345mm Long	S	1,150.00
3R-200.3J-3	Dovetail with Hardware for Specific Machine Bolt Pattern - 345mm Long	S	1,150.00
3R-200.3J-4	Dovetail with Hardware for Specific Machine Bolt Pattern - 345mm Long	S	1,250.00
3R-200.3J-STD	Dovetail with Hardware for Specific Machine Bolt Pattern - 345mm Long	S	1,150.00
3R-200.44J-1	Dovetail with Hardware for Specific Machine Bolt Pattern - 445mm Long	S	1,335.00
3R-200.47J-2	Dovetail with Hardware for Specific Machine Bolt Pattern - 470mm Long	S	1,450.00
3R-200.49J-1	Dovetail with Hardware for Specific Machine Bolt Pattern - 495mm Long	S	1,450.00
3R-200.4J-1	Dovetail with Hardware for Specific Machine Bolt Pattern - 395mm Long	S	1,295.00
3R-200.4J-11	Dovetail with Hardware for Specific Machine Bolt Pattern - 398mm Long	S	1,335.00
3R-200.4J-2	Dovetail with Hardware for Specific Machine Bolt Pattern - 470mm Long	S	1,395.00
3R-200.4J-4	Dovetail with Hardware for Specific Machine Bolt Pattern - 445mm Long	S	1,385.00
3R-200.4J-71	Dovetail with Hardware for Specific Machine Bolt Pattern - 435 mm Long	S	1,385.00
3R-200.4J-STD	Dovetail with Hardware for Specific Machine Bolt Pattern - 270mm Long	S	1,080.00
3R-200.5J-11	Dovetail with Hardware for Specific Machine Bolt Pattern - 498mm Long	S	1,585.00
3R-200.5J-2	Dovetail with Hardware for Specific Machine Bolt Pattern - 570mm Long	S	1,630.00
3R-200.5J-71	Dovetail with Hardware for Specific Machine Bolt Pattern - 520mm Long	S	1,595.00
3R-200.5J-STD	Dovetail with Hardware for Specific Machine Bolt Pattern - 382mm Long	S	1,295.00
3R-200.6J-1	Dovetail with Hardware for Specific Machine Bolt Pattern - 545mm Long	S	1,545.00
3R-200.6J-STD	Dovetail with Hardware for Specific Machine Bolt Pattern - 490mm Long	S	1,435.00
3R-200.6J-17	Dovetail with Hardware for Specific Machine Bolt Pattern - 545mm Long	S	1,650.00
3R-200.7J-STD	Dovetail with Hardware for Specific Machine Bolt Pattern - 570mm Long	S	1,725.00
EconoRulers and Accessories			
3R-A209	Set of Two Table Clamps for EconoRuler	S	890.00
3R-209-610.1	610 mm EconoRuler with hardware	S	3,195.00
3R-209-610.2	(2) 610 mm Econorulers with adjustable clamps and hardware	S	6,535.00
3R-209-610.3	610 mm EconoRuler with (2) 3R-261.1 and hardware	S	5,135.00
3R-209-610.4	610mm EconoRuler with (1) 209.1, (1) 261.1 and hardware	S	5,950.00
3R-209-610.1D	610mm EconoRuler Double Sided with Hardware	S	3,720.00
3R-209-860.1D	860mm EconoRuler Double Sided with Hardware	S	6,100.00
3R-209-860.1	EconoRuler 860 mm with hardware	S	3,900.00
3R-209-860.2	(2) 860mm Econorulers with adjustable clamps and hardware	S	8,700.00
3R-209-860.3	EconoRuler 860 mm with (2) 3R-261.1 and hardware	S	5,995.00
3R-209-860.4	860mm EconoRuler with (1) 209.1, (1) 261.1 and hardware	S	6,750.00
3R-209.1	EconoRuler Vise Attachment (8nm Torque Wrench recommended)	S	2,100.00
3R-209.3	EconoRuler Vee Attachment	S	975.00
3R-209.33	EconoRuler Universal Holder	S	2,400.00
3Rulers and Accessories			
3R-A239	WEDM 3Ruler Clamp for 3Ruler w/o Dovetail on Table - set of 2	S	250.00
3R-A239.1	WEDM 3Ruler Clamp for 3Ruler with Dovetail on Table - set of 2	S	645.00
3R-239.11K	WEDM 3Ruler Double Vise Attachment w/Torque Wrench	S	4,575.00
3R-239.1K	WEDM 3Ruler Vise Attachment w/Torque Wrench	S	2,900.00
3R-239.2	WEDM 3Ruler Edge Clamp Set	S	2,045.00
3R-239.20	WEDM 3Ruler Accessory Kit	S	6,130.00
3R-239.21	WEDM Support Tabs 3.5mm thick (set of 2)	S	Upon Request
3R-239.22	WEDM Support Tabs 5mm thick (set of 2)	S	460.00

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3R-239.24	WEDM 3Ruler Lo-Profile Clamps (set of 2)	S	595.00
3R-239.26	WEDM Support Tabs 5mm thick (set of 2)	S	215.00
3R-239.3	WEDM 3Ruler Vee Attachment	S	1,335.00
3R-239-275	3Ruler 275mm Long with Support Tabs, Toe Clamps, End Clamps and Hardware	S	5,100.00
3R-239-295	3Ruler 295mm Long with Support Tabs, Toe Clamps, End Clamps and Hardware	S	5,135.00
3R-239-310	3Ruler 310mm Long with Support Tabs, Toe Clamps, End Clamps and Hardware	S	5,350.00
3R-239-315	3Ruler 315mm Long with Support Tabs, Toe Clamps, End Clamps and Hardware	S	5,470.00
3R-239-330	3Ruler 330mm Long with Support Tabs, Toe Clamps, End Clamps and Hardware	S	5,500.00
3R-239-345	3Ruler 345mm Long with Support Tabs, Toe Clamps, End Clamps and Hardware	S	5,650.00
3R-239-365	3Ruler 365mm Long with Support Tabs, Toe Clamps, End Clamps and Hardware	S	5,650.00
3R-239-385	3Ruler 385mm Long with Support Tabs, Toe Clamps, End Clamps and Hardware	S	5,695.00
3R-239-395	3Ruler 395mm Long with Support Tabs, Toe Clamps, End Clamps and Hardware	S	5,650.00
3R-239-410	3Ruler 410mm Long with Support Tabs, Toe Clamps, End Clamps and Hardware	S	5,800.00
3R-239-415	3Ruler 415mm Long with Support Tabs, Toe Clamps, End Clamps and Hardware	S	5,800.00
3R-239-420	3Ruler 420mm Long with Support Tabs, Toe Clamps, End Clamps and Hardware	S	5,800.00
3R-239-425	3Ruler 425mm Long with Support Tabs, Toe Clamps, End Clamps and Hardware	S	5,800.00
3R-239-435	3Ruler 435mm Long with Support Tabs, Toe Clamps, End Clamps and Hardware	S	5,845.00
3R-239-445	3Ruler 445mm Long with Support Tabs, Toe Clamps, End Clamps and Hardware	S	5,865.00
3R-239-455	3Ruler 455mm Long with Support Tabs, Toe Clamps, End Clamps and Hardware	S	5,875.00
3R-239-495	3Ruler 495mm Long with Support Tabs, Toe Clamps, End Clamps and Hardware	S	5,895.00
3R-239-515	3Ruler 515mm Long with Support Tabs, Toe Clamps, End Clamps and Hardware	S	6,025.00
3R-239-520	3Ruler 520mm Long with Support Tabs, Toe Clamps, End Clamps and Hardware	S	6,025.00
3R-239-535	3Ruler 535mm Long with Support Tabs, Toe Clamps, End Clamps and Hardware	S	6,050.00
3R-239-545	3Ruler 545mm Long with Support Tabs, Toe Clamps, End Clamps and Hardware	S	6,595.00
3R-239-545.86	3Ruler 545mm Long HD with Support Tabs, Toe Clamps, End Clamps and Hardware	S	6,795.00
3R-239-565	3Ruler 565mm Long with Support Tabs, Toe Clamps, End Clamps and Hardware	S	6,550.00
3R-239-575	3Ruler 575mm Long with Support Tabs, Toe Clamps, End Clamps and Hardware	S	6,685.00
3R-239-595	3Ruler 595mm Long with Support Tabs, Toe Clamps, End Clamps and Hardware	S	6,725.00
3R-239-595.86	3Ruler 595mm Long HD with Support Tabs, Toe Clamps, End Clamps and Hardware	S	6,995.00
3R-239-615	3Ruler 615mm Long with Support Tabs, Toe Clamps, End Clamps and Hardware	S	7,130.00
3R-239-615.86	3Ruler 615mm Long HD with Support Tabs, Toe Clamps, End Clamps and Hardware	S	7,130.00
3R-239-645	3Ruler 645mm Long with Support Tabs, Toe Clamps, End Clamps and Hardware	S	7,245.00
3R-239-665.86	3Ruler 665mm Long HD with Support Tabs, Toe Clamps, End Clamps and Hardware	S	7,625.00
3R-239-675.86	3Ruler 675mm Long HD with Support Tabs, Toe Clamps, End Clamps and Hardware	S	7,625.00
3R-239-695.86	3Ruler 695 mm long with Support Tabs, Toe Clamps, End Clamps and Hardware	S	7,900.00
3R-239-730.86	3Ruler 730mm Long HD with Support Tabs, Toe Clamps, End Clamps and Hardware	S	7,850.00
3R-239-745.86	3Ruler 745mm Long HD with Support Tabs, Toe Clamps, End Clamps and Hardware	S	7,850.00
3R-239-795.86	3Ruler 795mm Long HD with Support Tabs, Toe Clamps, End Clamps and Hardware	S	8,955.00
3R-239-820.86	3Ruler 820mm Long HD with Support Tabs, Toe Clamps, End Clamps and Hardware	S	9,975.00
3R-239-835.86	3Ruler 835mm Long HD with Support Tabs, Toe Clamps, End Clamps and Hardware	S	9,975.00
3R-239-865.86	3Ruler 865mm Long HD with Support Tabs, Toe Clamps, End Clamps and Hardware	S	10,500.00
3R-239-875.86	3Ruler 875 mm long with Support Tabs, Toe Clamps, End Clamps and Hardware	S	10,500.00
3R-239-915.86	3Ruler 915mm Long HD with Support Tabs, Toe Clamps, End Clamps and Hardware	S	10,950.00
3R-239-950.86	3Ruler 950mm Long HD with Support Tabs, Toe Clamps, End Clamps and Hardware	S	10,950.00
3R-239-xxx-D	3Ruler Double Sided with Support Tabs, Toe Clamps, End Clamps and Hardware	S	Upon Request
3R-201.5	Angle Shelf	S	2,200.00
3R-201J	WEDM Horizontal to Vertical Converter, J-style	S	2,290.00
3R-202	WEDM - Mini Block, Stainless	S	4,375.00
3R-203	WEDM Swivel Base	S	4,300.00
3R-203.66	Stainless Macro Lo-Cost 360 degree Manual Swivel Chuck	S	5,200.00
3R-204	WEDM Vertical Spacer	S	2,275.00
3R-205.2	WEDM Workpiece Holder, un-hardened	S	1,160.00
3R-206.10	WEDM Master Control Tool w/ pick-up hole	S	2,300.00
3R-207.6	Macro Vertical V-Block	S	2,300.00
3R-213.4k	Mini Supervise mounted on 20mm Shank w/Torque Wrench	S	3,450.00
3R-216	WEDM Sine Bar	S	3,955.00

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Part Number	Description	D/C	Price US \$
3R-216.6	Macro Sine Ruler 50mm	S	4,200.00
3R-217-1k	Macro Indexing Block w/3R-SP6435 Dovetail, Stainless	S	17,785.00
3R-218/20	3P Set - 3 Jaws 25mm	S	9,200.00
3R-218S	3P Set	S	4,200.00
3R-220.3	Wire Alignment Guide for Mitsubishi	S	3,800.00
3R-222.1	WEDM / Mini Chuck	S	1,825.00
3R-222.2	WEDM to Mini 90 Degree Holder	S	4,200.00
3R-223	WEDM 30mm Parallel Adapter	S	2,250.00
3R-223.3	WEDM Long Spacer Element, 140mm	S	Upon Request
3R-224	WEDM Parallel Adapter 30mm, 90 Degree	S	2,560.00
3R-225	WEDM Movable End Stop	S	885.00
3R-225.1	WEDM Economy End Stop	S	95.00
3R-225.2	WEDM End Stop - 3Ruler	S	910.00
3R-226.4	WEDM Fixed Mounting Head	S	Upon Request
3R-226.6	Macro Angle Holder	S	1,950.00
3R-228.1	Presetting Station - Universal - Without Chuck or Dovetail	S	12,500.00
3R-228J	Preset Block w/ Separate Zero-Line Block (2 separate blocks)	S	2,895.00
3R-228S	Preset Riser - Block Only	S	Upon Request
3R-230.1	WEDM Clamp Kit w/6mm bolts	S	1,130.00
3R-230.3	WEDM 8mm Clamping Kit	S	575.00
3R-232.8k	WEDM Super Vise w/Torque Wrench (Vee Jaw not Included)	S	5,450.00
3R-232S	Table Levelling Head	S	2,080.00
3R-237.1	WEDM Do-It-Yourself Holder	S	1,090.00
3R-237.2	WEDM Do-It-Yourself Holder	S	1,025.00
3R-242.82HP-K	WEDM 3Ruler Vise Package - HP - 1)272HP, 1)292.66HP, 1)239.1, 1) Torque Wrench	S	7,875.00
3R-242HP	WEDM 2D Starter Kit	S	13,900.00
3R-242S-1	Table Levelling Head User Kit	S	3,585.00
3R-242S-2	Table Levelling Head User Kit	S	4,100.00
3R-242S-3	Table Levelling Head User Kit	S	5,535.00
3R-242S-4	Macro Starter Kit, S	S	7,285.00
3R-243.2-1	WEDM Macro Kit	S	6,500.00
3R-261	WEDM Sliding Adjustable Holder	S	4,690.00
3R-261.1	WEDM Sliding Support Clamp	S	835.00
3R-262.6	Vertical Levelling Head	S	3,750.00
3R-US266.1	Macro Solid one piece fixed head with skewing	S	2,515.00
3R-262HP	MacroWEDM Leveling Head for Automatic Changing	S	3,595.00
3R-266.12HP	MacroWEDM Fixed Head Twin for use with 602.12(HP)(-1)	S	Upon Request
3R-266.4	WEDM Fixed Head with HP Interface	S	2,050.00
3R-266.5	Entry Fixed Macro Holder	S	1,495.00
3R-272	Levelling Head Old Style	S	4,595.00
3R-272HP	WEDM Leveling Head - J Type - HP Style	S	2,755.00
3R-282.12HP	WEDM Leveling Head for Twin Chuck - HP Style -complete with two 605.10	S	Upon Request
3R-292.1	WEDM Supervise Lo-Profile 0 - 3"	S	3,425.00
3R-292.2	WEDM Supervise 10 mm Thick 100 mm opening	S	3,475.00
3R-292.23	WEDM Angle Holder for Leveling/Fixed Heads	S	Upon Request
3R-292.3k	WEDM 0-4" Supervise with torque wrench	S	3,795.00
3R-292.31k	WEDM Supervise 0 - 4" - No Cutouts in Jaw - w/ Torque Wrench	S	3,595.00
3R-US292.3-6IN	WEDM Supervise 0 - 6" Opening	S	3,960.00
3R-US292.3-8IN	WEDM Supervise 0 - 8" Opening	S	4,885.00
3R-292.3S	WEDM Universal Holder - Simple	S	1,875.00
3R-292.61HPk	WEDM Supervise 0-6" Magnum-HP-No Cutouts in Jaw w/Torque Wrench	S	5,275.00
3R-292.66HP	WEDM 3Ruler Plate - HP Style	S	3,560.00
3R-292.66-L	WEDM Angle Vise w/ Mounting Holes for 3Ruler Accessories	S	3,970.00
3R-292.66-LB	WEDM Angle Vise w/ Blank Face	S	3,300.00
3R-292.66-L-HP	WEDM 3Ruler Angle Vise - Magnum - HP	S	5,830.00
3R-292.6-8HPK	WEDM Supervise 0-8" Magnum HP Style w/Torque Wrench	S	8,425.00

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3R-292.6HPk	WEDM Supervise 0-6" Magnum HP Style w/Torque Wrench	S	5,275.00
3R-292.6S	WEDM Magnum "S" Vise	S	3,465.00
3R-293.3	WEDM Vise - Rounds - "Lobster Claw"	S	4,695.00
3R-293.33	WEDM Vise - Universal Holder - Rounds & Squares	S	3,900.00
3R-293.66HP	WEDM Vise - Universal Holder - Rounds & Squares – Magnum - HP Style	S	6,150.00
3R-293.6HP	WEDM Vise - Rounds - "Lobster Claw" - Magnum - HP Style	S	7,345.00
3R-294	WEDM Mounting Adapter to convert 294.2 & 294.4 to Leveling Head	S	1,050.00
3R-294.1	WEDM Vise Pallet	S	2,530.00
3R-294.2	WEDM Vise - Vertical for 3Ruler – 0 to 50mm	S	3,495.00
3R-294.3	WEDM Vise - Edge Clamp	S	1,895.00
3R-294.4K	WEDM Vise – Vertical - 0 to 1" with Torque Wrench	S	3,080.00
3R-294.5K	WEDM Vise - Vertical – 0 to 3" with Torque Wrench	S	4,225.00
3R-294.6	WEDM Vise - 4-Position Rounds for 3Rulers (5mm to 13mm Dia.)	S	1,675.00
3R-D30206	Pneumatically-controlled 90 Degree WEDM Indexer, complete with Control	S	Upon Request
3R-D30215	Macro-Mounted Stainless Steel Swivel Chuck	S	Upon Request
3R-US3795	Form Tool Vise - 1" Thick	S	4,590.00
3R-US021	WEDM Presetting Station 12 x 8 x 4 with 200.1J-P1	S	2,055.00
3R-US065	WEDM/Macro Presetting Station with Automatic Chuck 602.10-1	S	5,695.00
3R-US065M-L	WEDM/Macro Presetting Station with Manual Chuck 602.27	S	4,685.00
Torque Wrenches			
3R-US001	Wrench - Torque - Preset @ 3Nm (213.4, 292.1, 294.1, 294.2, 294.4, 294.5, 613.4, 901-10)	S	200.00
3R-US003	Wrench - Torque - Preset @ 8Nm (239.1, 239.11, 293.33)	S	190.00
3R-US005	Wrench - Torque - Preset @ 7Nm (292.92, 292.3, 292.31, 293.3)	S	145.00
3R-US005-10	Wrench - Torque - Preset @ 10Nm (292.6S, 901-20)	S	145.00
3R-US005-3	Wrench- Torque - Preset @ 3Nm (293.33)	S	145.00
3R-US005-4	Wrench - Torque - Preset @ 4nm (293.66HP)	S	145.00
3R-US005-06	Wrench - Torque - Preset @ 6nm (Manual Chucks,)	S	145.00
3R-US006	Wrench - Torque - Preset @ 15Nm (232.8, 292.6HP, 293.6HP, 613.6)	S	190.00
MacroJunior Chucks, Pallets and Accessories			
3R-US400.3	Junior Measuring Probe w/ 3mm Ball	S	1,400.00
3R-US400.5	Junior Measuring Probe w/ 5mm Ball	S	1,400.00
3R-400.24-11	Jr. Chuck - Manual (Uses 405.11)	S	1,895.00
3R-400.32	Jr. Chuck - Manual Lathe (Uses 405.11)	S	2,800.00
3R-400.34	Jr. Chuck - Manual(Uses 405.11)	S	1,825.00
3R-402.1	WEDM Jr. Manual Chuck	S	Upon Request
3R-404-25	Soldering Kit for Jr	S	300.00
3R-405.11	Drawbar - Jr. for Automatic changing	S	100.00
3R-405.11E	Drawbar - Jr. for Automatic changing (set of 10)	S	850.00
3R-405.16	Drawbar - Macro in Combi Chuck (1 pc)	S	160.00
3R-405.16E	Drawbar - Macro in Combi Chuck (set of 10)	S	1,295.00
3R-405.21RS	Drawbar - Jr. Old Style Manual Chuck - Stainless (1 pc)	S	115.00
3R-406.11	Jr. Control Rule (60mm height)	S	2,195.00
3R-406.23	Jr. Control Rod	S	2,750.00
3R-406.9	Macro to Jr. 90 Degree adapter	S	3,290.00
3R-410.1-M	Junior Chuck - AEC	S	4,800.00
3R-410.31-5	Jr. Machining Block - 5 Reference Sides (Uses 405.11)	S	3,845.00
3R-418.1	Magazine Fork Combi	S	475.00
3R-418.11-AG11	Magazine Fork Jr - Agie	S	465.00
3R-418.11-AG21	Fork - Agie Linear ATC	S	525.00
3R-418.11-CT11	CT Linear ATC Fork	S	465.00
3R-418.11-CT21	CT Linear ATC Fork	S	550.00
3R-418.44-1	Magazine Fork Kit - 16 pcs.	S	6,450.00
3R-422.2	WEDM to Junior Adapter	S	Upon Request
3R-446.11	Macro to Jr. Manual Chuck - Side Clamp (Uses 405.11)	S	2,430.00
3R-460.1-1	Combi Chuck - Automatic - less control	S	7,050.00
3R-460.31-5	Combi Machining Block - 5 Reference Sides	S	3,945.00

System 3R Products			
2015 US Price List			
Effective March 30, 2015			
Part Number	Description	D/C	Price US \$
3R-460.32	Combi Chuck - Lathe	S	3,165.00
3R-460.34	Combi Chuck - Manual	S	2,395.00
3R-460.37	Combi Chuck - Manual Table	S	3,735.00
3R-460.46	Combi Chuck Automatic Table	S	6,925.00
3R-460.83-1	Combi Chuck Automatic	S	Upon Request
3R-460.83-2	Combi Chuck Auto Turbo	S	6,060.00
3R-460.86-2	Combi Chuck Automatic	S	6,060.00
3R-460.86-2.9	Combi Chuck Automatic	S	Upon Request
3R-460.EX8-1	Combi Chuck Automatic	S	6,060.00
3R-461.1E-GA	Jr. Electrode Holder for 3R-491E (set of 30)	S	575.00
3R-463/5033	Mini to Jr. Electrode Holder 50mm long	S	995.00
3R-465.1E-A	Jr. Electrode Blanks for 3R-491E (set of 30)	S	585.00
3R-465-LE	Jr. Electrode Holder Slotted (set of 5)	S	1,335.00
3R-466.10033	Macro to Jr. Chuck - Manual - rear clamp 100mm high	S	1,930.00
3R-466.15033	Macro to Jr. Chuck - Manual - rear clamp 150mm high	S	2,655.00
3R-466.4033	Macro to Jr. Chuck - Manual - w/stabilizing ring for milling- rear clamp 40mm high	S	1,895.00
3R-466.4033-S	Macro to Jr. Chuck - Manual - rear clamp 40mm high	S	1,375.00
3R-466.40RS	Macro to Jr. Chuck - Manual - Stainless - rear clamp 40mm	S	2,225.00
3R-467.9-1	Jr. to Jr. Adapter - 90 degree - 32mm chuck	S	3,900.00
3R-468.31-S	Combi Starter Package	S	7,695.00
3R-469-10	MacroJunior ETS10 Collet Holder	S	995.00
3R-469-16	MacroJunior ER16 Collet Holder	S	995.00
3R-491E	Set of 30 Jr. Electrode Holder Coins-Floating Drawbar Type	S	400.00
3R-491E-HP	Jr. Electrode Holder w/top & bottom ground (set of 30)	S	3,300.00
3R-491E-MONDO	Jr. Electrode Holder for Mondo without C-Axis,with right-hand Shuttle Toolchanger	S	545.00
3R-MFT4X12E	Jr. Electrode Holder Screw for Jr. Coin (100 pcs.)	S	55.00
3R-MFT4X16E	Jr. Electrode Holder Screw for Jr. Coin w/spacer (100 pcs.)	S	105.00
3R-MFT-TT4x16E	Jr. Electrode Holder Screw-self threading for Jr. Coin (100 pcs)	S	125.00
3R-PI4.5X14E	Jr. Electrode Holder Screw-self threading for 461 w/o spacer (100 pcs.)	S	50.00
3R-PI4.5X20E	Jr. Electrode Holder Screw-self threading for 461 w/spacer (100 pcs.)	S	55.00
3R-4.650	Macro Centering Microscope	S	Upon Request
3R-6.300-EHS16	Rotating spindle EHS16, 60-2000 RPM) (collets not included)	S	18,855.00
3R-6.321-HS	Macro to ER16 Rotating Spindle, with Speed Control and ER-16E Collet Kit	S	10,800.00
3R-6.400-VS	Rotating Spindle Junior	S	18,995.00
3R-6.600-VHS	Rotating Spindle - Macro - Vert. / Horiz. / Submersible	S	22,450.00
3R-6.600-VS	Rotating Spindle - Macro - Vert. / Submersible	S	19,450.00
3R-US600.3	Macro Measuring Probe w/ 3mm Ball	S	2,275.00
3R-US600.5	Macro Measuring Probe w/ 5mm Ball	S	2,275.00
3R-600.10-3	Macro Table Chuck with air gun nipples - carbide X-Y references	S	4,625.00
3R-600.10-30	Macro Table Chuck with air gun nipples - hardened steel X-Y references	S	4,450.00
3R-600.1-3	Macro Lathe/Universal Chuck with air gun nipples - carbide X-Y references	S	5,100.00
3R-600.1-30	Macro Lathe/Universal Chuck w/ air gun nipples - hardened steel X-Y references	S	4,885.00
3R-600.14-30	Macro Chuck Auto Low-profile	S	3,865.00
3R-600.15-3	Macro Chuck, Auto (formerly 90825.01) 56x56x40. Requires 3R-605.2(RS)	S	3,495.00
3R-600.17-10	MacroPress Chuck 10 Ton - Automatic	S	6,350.00
3R-600.17-12	MacroPress Chuck, built-in 10 Ton- Automatic	S	6,800.00
3R-600.17-20	MacroPress Chuck 20 Ton - Automatic	S	6,800.00
3R-600.17-22	MacroPress Chuck Built-In 20 Ton-Automatic	S	7,475.00
3R-600.17-50	MacroPress Chuck 50 Ton - Automatic	S	7,825.00
3R-600.17-52	MacroPress Chuck Built-In 50 Ton-Automatic	S	8,700.00
3R-600.19	Macro Chuck Automatic w/3Refix - less Air Control	S	Upon Request
3R-600.20	Macro HP Chuck Manual	S	5,965.00
3R-600.22	Macro Chuck - Manual - Lathe	S	2,625.00
3R-600.23-S	Macro Chuck w/Flange - for use w/ Orbitor	S	2,295.00
3R-600.24-4RS	Macro Chuck - Manual - Stainless	S	2,565.00
3R-600.24-S	Macro Chuck - Manual (may require A11489 universal adapter)	S	1,895.00

System 3R Products			
2015 US Price List			
Effective March 30, 2015			
Part Number	Description	D/C	Price US \$
3R-600.24RS	Macro Chuck -Manual Stainless Steel	S	2,125.00
3R-600.27-10	MacroPress Chuck 10 Ton - Manual	S	2,495.00
3R-600.27-20	MacroPress Chuck 20 Ton - Manual	S	2,895.00
3R-600.27-50	MacroPress Chuck 50 Ton - Manual	S	3,995.00
3R-600.28-S	Macro Chuck - Manual Dia. 100 mm (may require Axxxxx universal adapter)	S	2,045.00
3R-600.83	Macro Chuck - Automatic - Built-in (Charmilles)	S	6,365.00
3R-600.84-3	Macro Chuck - Automatic Built-In with Turbo (Agie)	S	4,200.00
3R-600.84-30	New Macro HP Round Spindle Chuck	S	4,150.00
3R-600.86	Macro Chuck - Automatic - Built-in (Sodick/Makino/Ingersoll)	S	5,400.00
3R-600.86-1	Macro Chuck - Automatic - Built-in (Ingersoll)	S	5,955.00
3R-600.86-3	Macro Chuck Automatic Built-In	S	4,585.00
3R-600.86-30	New Macro HP Square Spindle Chuck	S	4,300.00
3R-600.86-30PF	Macro Chuck Aut/Makino Pressure Flushing	S	4,300.00
3R-600.EX8	Macro Chuck - Automatic - Built-in (Mitsubishi)	S	4,895.00
3R-601.116-75PA	Macro Pallet 116mm diameter with 75 mm diameter Reference element	S	295.00
3R-601.1E-P	Macro Electrode Holder Cast - stainless 70 x 70mm (set of 5)	S	1,450.00
3R-601.3	Macro Electrode Holder w/10mm 3Rfix holes	S	1,460.00
3R-601.52	Macro Electrode Holder 116mm w/10mm 3Rfix	S	2,150.00
3R-601.7E-P	Macro Electrode Holder- cast stainless - 70 x 70mm (set of 5)	S	950.00
3R-601.7-P	Macro Electrode Holder -cast stainless - 70 x 70mm (Single Pc.)	S	200.00
3R-602.10-1K	MacroWEDM Chuck (replaces 602.10(HP)) w/ 605.10 & US611.1 air control	S	3,895.00
3R-602.12-1K	MacroWEDM Twin Chuck (replaces 602.12(HP)) w/ 2 605.10 & US611.1 air control	S	7,055.00
3R-602.26	MacroWEDM Table chuck w/side screw clamping . Complete with 605.26 Drawbar	S	2,100.00
3R-602.27	WEDM/Macro Chuck - Manual - Lever Operated complete with 605.27RS	S	2,800.00
3R-602.27-1	WEDM/Vertical Macro Lever Chuck - complete with 605.27RS	S	2,950.00
3R-602.4.1	Macro Chuck - Automatic - Vertical	S	6,495.00
3R-602.39	Macro Table Chuck	S	8,550.00
3R-602.44	WEDM Indexer – Macro 90 Degree Automatic	S	Upon Request
3R-602.81	Ultra Low Profile Macro Chuck-auto - requires 605.10 Drawbar	S	3,350.00
3R-602.81RS	Ultra Low Profile Macro Chuck- Stainless-auto - requires 605.10 Drawbar	S	5,850.00
3R-603.9	Macro to Mini Chuck - 90 Degree	S	4,100.00
Macro Drawbars and Accessories			
3R-605.1	Drawbar - Macro for Automatic Chuck	S	95.00
3R-605.10	Drawbar - MacroWEDM - stainless- for 3R-602.10,602.12,602.10HP,602.12HP,602.10-1	S	145.00
3R-605.10E	Drawbar - MacroWEDM - stainless- for 3R-602.10,602.12,602.10HP,602.12HP,602.10-1(10 pcs)	S	1,325.00
3R-605.10EE	Drawbar - MacroWEDM - stainless- for 3R-602.10,602.12,602.10HP,602.12HP,602.10-1 (20 pcs)	S	2,475.00
3R-605.11	Drawbar - Macro w/10.2mm Hole	S	165.00
3R-605.1E	Drawbar - Macro for Automatic Chuck (set of 10)	S	875.00
3R-605.1EE	Drawbar - Macro for Automatic Chuck (set of 40)	S	2,985.00
3R-605.1RS	Drawbar - Macro for Automatic chuck stainless steel	S	240.00
3R-605.2	Drawbar - Macro for Manual Chuck (single piece)	S	95.00
3R-605.26	Drawbar MacroWEDM - stainless - for 3R-602.26	S	180.00
3R-605.27RS	Drawbar - MacroWEDM Lever- stainless- for 602.27, 602.27-1	S	175.00
3R-605.2E	Drawbar - Macro for Manual Chuck (set of 5)	S	420.00
3R-605.2EE	Drawbar - Macro for Manual Chuck (set of 20)	S	1,500.00
3R-605.2RS	Drawbar - Macro- stainless - for 3R-600.24-4RS	S	180.00
3R-605.4	Solid Drawbar Non AEC	S	70.00
3R-605.4E	Solid Drawbar Non AEC Set 10Pcs	S	685.00
3R-605.4EE	Solid Drawbar Non AEC Set 40Pcs	S	2,495.00
3R-605.5RS	Drawbar – Macro w/M6 Thread- stainless- for 622.2, 622.6 and 652.9	S	195.00
3R-605-GE	Drawbar Tool to lift Plastic Drawbar Bayonet lock (set of 2)	S	25.00
3R-606	Macro Control Rod	S	2,350.00
3R-606.1	Macro Control Rule w/20mm reference hole	S	1,950.00
3R-606.2	Macro Control Rod w/Offset Measurement pickup Hole	S	2,250.00
3R-607.1	Macro Chuck - Automatic - mounted to 3R-29.2 -less control	S	Upon Request
3R-608.31E	Macro 3Rfix Electrode Holder 70 x 70mm for 3R-601.3 and 601.52 (set of 10)	S	525.00

System 3R Products			
2015 US Price List			
Effective March 30, 2015			
Part Number	Description	D/C	Price US \$
3R-610.19	Macro auto table chuck with Refix- less control	S	Upon Request
3R-610.21	Macro Machining Block - manual (3 reference surfaces)	S	3,295.00
3R-610.21-S	Macro Machining Chuck -manual (2 reference surfaces)	S	2,215.00
3R-US610.21-90	Macro to Macro 90 degree Chuck	S	5,275.00
3R-610.29	Macro Chuck - Manual - Angle Plate w/3Refix	S	Upon Request
3R-610.4	Macro Indexing Machining Block	S	11,500.00
3R-610.46	Macro Automatic Block with built-on air control - carbide X-Y references	S	6,900.00
3R-610.46-3	Macro Table Chuck with built-on air control - carbide X-Y references	S	5,900.00
3R-610.46-30	Macro Table Chuck with built-on air control - hardened steel X-Y references	S	5,500.00
3R-US611.4	Macro Electrode Hodler - Tubing Chuck	S	2,200.00
Air Controls and Accessories			
3R-611.2	Air Control Unit - Foot Operated- imported version	S	1,450.00
3R-611.4	Air unit	S	450.00
3R-US611.1	Air Control Single Function- Hand Operated	S	280.00
3R-US611.2	Air Control Single Function - Foot Operated	S	945.00
3R-611.46	Air Control Unit Combi	S	990.00
3R-611.60	Air Control Unit for B-Axis	S	1,350.00
3R-SP20753	Air Nipple Kit	S	475.00
3R-90815	Air Gun Fitting Kit (2 fittings)	S	435.00
3R-612.116	Macro Sealing Ring for 116mm dialeter pallets - for 600.1, 600.20	S	Upon Request
3R-612.54-A	Sealing ring for 54 x 54mm Pallets. For 600.1-3/30, .10-3/30, .84-3/30,SP24660, SP26771	S	850.00
3R-612.70-A	Sealing ring for 70x 70mm Pallets. For 600.1-3/30, .10-3/30, .84-3/30,SP24660, SP26771	S	850.00
3R-612.116-A	Sealing ring diam 116	S	850.00
3R-612.54-S	Sealing ring for 54 x 54 mm pallets - for 600.14-30, 602.81(RS) - automation ready	S	850.00
3R-612.70-S	Sealing ring for 70 x 70 mm pallets - for 600.14-30, 602.81(RS) - automation ready	S	850.00
3R-612.75-S	Sealing ring for 75mm diameter pallets - for 600.14-30, 602.81(RS) - automation ready	S	850.00
3R-612.116-S	Sealing ring for 116mm diameter pallets - for 600.14-30 ,602.81(RS) - automation ready	S	850.00
3R-612.6	Macro Centering Ring, for 3R-600.20	S	1,695.00
3R-613.4	Supervise 0-25mm Mounted on Macro Pallet	S	3,295.00
3R-613.6	Centering Supervise 0-80mm Mounted on Macro Pallet	S	5,500.00
3R-618.1	Macro Fork for Rack changer	S	525.00
3R-618.42	Gripper Claw - RF 200/400	S	Upon Request
3R-622.2	WEDM to Macro Holder.Complete with 605.5RS Drawbar	S	3,375.00
3R-622.6	WEDM Macro to Macro Adapter 90 Degree.Complete with 605.5RS Drawbar	S	3,895.00
3R-628.31-S	Macro Standard Package	S	4,835.00
3R-628.41-S	Macro/Jr. Starter Package	S	8,350.00
3R-628.42	Macro Square Holder	S	385.00
3R-650/8X5	Orange Plastic Cassette for 8 Macro 54 x 54 Holders (set of 5)	S	95.00
3R-US651.105E-S	Macro Holder w/Unhardened Flange (set of 8) - Mounted on 651.7E-XS	S	1,355.00
3R-US651.105E	Macro Holder w/Unhardened Flange (set of 8) - Mounted on 651.7E-P	S	1,970.00
3R-640.14-30	Macro Quad (D-40148)	S	14,165.00
3R-651.13	Macro Electrode Holder - Square Holder	S	2,160.00
3R-651.3	Macro Electrode Holder w/10mm 3Refix holes	S	995.00
3R-651.70-P	Macro PT 70 Pallet top, mounted to 3R-651.7-P	S	190.00
3R-651.70-XS	Macro PT 70 Pallet top, mounted to 3R-651-XS	S	160.00
3R-651-P	Macro Electrode Holder - Cast stainless	S	170.00
3R-651-75-P	Stainless Pallet Dia 75 mm	S	170.00
3R-651.75E-P	Stainless Pallets Dia 75 mm (Set of 10)	S	1,425.00
3R-651.7E-P	Macro Electrode Holder - Cast - stainless- Lo-profile (set of 8)	S	995.00
3R-651.7E-S	Low Cost Macro Standard Pallet - nickel plated 54X54X12.5mm (set of 8)	S	510.00
3R-US651.75E-AEC	Macro Electrode Holder - for Tool Changing (set of 8) 651.7-XS & US658.1-S	S	670.00
3R-651.7E-XS	Low Cost Macro Standard Pallet - unplated 54X54X12.5mm (set of 8)	S	385.00
3R-651.7-P	Macro Electrode Holder - Cast stainless - Lo-profile (single piece)	S	150.00
3R-651E-P	Macro Electrode Holder - Cast stainless (set of 8)	S	1,195.00
3R-652.2	Macro to Macro Spacer Adapter – 100mm	S	3,290.00
3R-652.9	Macro to Macro – 90 Degree Adapter- stainless. Complete with 605.5RS Drawbar	S	4,825.00

System 3R Products			
2015 US Price List			
Effective March 30, 2015			
Part Number	Description	D/C	Price US \$
3R-653	Macro to Mini Chuck	S	1,850.00
3R-653-S	Macro to Mini Chuck (Simplex)	S	1,475.00
3R-656	Control Rod 54	S	950.00
3R-656.1	Macro Control Rule w/Radial & Axial Runout Measuring Length 50 mm	S	1,195.00
3R-656.2-P	Macro Indicator Spindle	S	3,075.00
3R-656.31-3P	Macro Measuring Pointer w/ 3mm ball	S	3,885.00
3R-656.31-5P	Macro Measuring Pointer w/ 5mm ball	S	4,100.00
3R-US656.5	Macro Threading Adapter (Tips not included)	S	800.00
3R-US656.5-XX	Macro Threading Adapter Individual Tips (specify size)	S	280.00
3R-658.1E-S	Macro Flat Spacer for 651.7E-XS (set of 8)	S	280.00
3R-658.2E-S	Macro Electrode Holder - Slotted - for 3R-651.7E-XS & 3R-651E-LS (set of 8)	S	395.00
3R-658.2-S	Macro Electrode Holder - Slotted - for 3R-651.7E-XS & 3R-651E-LS (1 single pc)	S	55.00
3R-658.31E	Macro 3Refix Electrode Holder 54 x54mm for 3R-651.3 (set of 10)	S	450.00
3R-658.4E-S	Macro Electrode Holder - Box - for 3R-651.7E-XS & 3R-651E-LS (set of 8)	S	375.00
3R-658.4-S	Macro Electrode Holder - Box - for 3R-651.7E-XS & 3R-651E-LS (1 single pc)	S	50.00
3R-659.16-P	Macro Collet Holder for ER16 Collets	S	1,185.00
3R-659.20-P	Macro Collet Holder for ER20 Collets	S	1,195.00
3R-659.32-P	Macro Collet Holder for ER32 Collets	S	1,245.00
3R-US90-601	Macro-mounted Tunnel Gate Holder	S	2,345.00
Macro Nano Chucks, Pallets and Accessories			
3R-600.10-3N	Macro Nano Table Chuck	S	8,500.00
3R-600.84-3N	Macro Nano Spindle Chuck Round	S	8,200.00
3R-600.86-3N	Macro Nano Spindle Chuck Square	S	7,900.00
3R-601.1-N	Macro Nano Pallet Square 70 mm 1 piece	S	650.00
3R-601.1E-N	Macro Nano Pallet Square 70 mm 5 pieces	S	2,850.00
3R-606-N	Macro Nano Control Rod	S	Upon Request
3R-606.1-N	Macro Nano Control Ruler	S	2,900.00
3R-610.46-3N	Macro Nano Table Chuck with two sides ground	S	9,895.00
3R-651-N	Macro Nano Pallet Square 54 mm 1 piece	S	550.00
3R-651E-N	Macro Nano Pallet Square 54 mm 8 pieces	S	3,700.00
3R-651.7-N	Macro Nano Reference Element Square 54 mm 1 piece	S	370.00
3R-651.7E-N	Macro Nano Reference Element Square 54 mm 8 pieces	S	2,600.00
3R-651.75-N	Macro Nano Reference Element Diameter 75 mm 1 piece	S	395.00
3R-651.75E-N	Macro Nano Reference Element Diameter 75 mm 10 pieces	S	3,400.00
MacroMagnum Chucks, Pallets and Accessories			
3R-680.10-2	MacroMagnum Table Chuck	S	7,595.00
3R-680.10-3	MacroMagnum Flat Chuck - requires 605.2 Drawbar	S	7,200.00
3R-680.1-2	MacroMagnum Lathe Chuck	S	8,550.00
3R-680.1-3V	MacroMagnum Flat Chuck VDP	S	14,500.00
3R-680.1-3	MacroMagnum Flat Chuck - universal - requires 605.2 Drawbar	S	7,300.00
3R-680.19-2	Magnum Table Chuck w/ 3Refix	S	9,725.00
3R-680.24-S	Macro Magnum Chuck - Manual (90809.01)	S	3,550.00
3R-681.156-A	Macro Magnum Pallet, 156mm dia.- machineable top - for Automation	S	1,675.00
3R-681.2424-M6A	Macro Magnum 240mm Sq. Aluminum Pallet w/M6 threaded holes - for Automation	S	3,465.00
3R-681.2424-T8A	Macro Magnum 240mm Sq. Aluminum Pallet w/"T"-slots - for Automation	S	2,895.00
3R-681.51	Macro Magnum Pallet 162mm Dia. Hardened - stainless - for Automation	S	2,985.00
3R-681.51-SA	MacroMagnum Pallet 156mm Dia. - machineable top- for Automation	S	815.00
3R-681.71	Macro Magnum Pallet - Hardened 142mm Dia.	S	880.00
3R-682.54-S	Sealing Ring- MacroMagnum- for 54 x 54 mm Pallets	S	1,550.00
3R-682.70-S	Sealing Ring- MacroMagnum- for 70 x 70 mm Pallets	S	1,550.00
3R-682.75-S	Sealing Ring- MacroMagnum- for 75mm diameter Pallets	S	1,550.00
3R-682.116-S	Sealing Ring- MacroMagnum- for 116mm diameter Pallets	S	1,550.00
3R-682.156-S	Sealing Ring fo SP26712 - 156mm diameter Pallets -Automation Ready	S	1,550.00
3R-686.1-HD	MacroMagnum Master Control Tool	S	3,700.00
3R-SP26712	MacroMagnum Flat Chuck- Auto- requires adapter plate- requires 605.2 Drawbar	S	4,925.00
Dynafix Chucks, Pallets and Accessories			

System 3R Products			
2015 US Price List			
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Part Number	Description	D/C	Price US \$
3R-770.46-1	Dyanfix Base w/ Combi for CMM	S	21,500.00
3R-770-1	Dynafix Base Less Air Control - No Ground Alignment Surfaces on Base	S	9,250.00
3R-770-4	Dynafix Base Less Air Control- w/ Alignment Surface (No 3Refix)	S	13,900.00
3R-770-5	Dynafix Base - 5 Axis	S	11,700.00
3R-770K	Dynafix Starter Package - 1)770-1, 2)771.2, 1)US611.2	S	11,800.00
3R-771.2	Dynafix Pallet w/ Milled Surface	S	825.00
3R-CH771.35	Dynafix aluminium pallet 350	S	2,170.00
3R-771.7	Dynafix Pallet Reference Element Kit	S	1,150.00
3R-771-U	Lifting Device for Dynafix Pallets (U-20344)	S	Upon Request
3R-772.2	Dynafix Pallet w/ Ground Surface	S	1,295.00
3R-772-M8.28	Dynafix Pallet w/Hardened Steel Plate w/M8 holes	S	3,985.00
3R-772-T8.40	Dynafix Pallet w/Aluminum Plate w/"T"-slots	S	3,375.00
3R-774	Dyanfix Pallet - 400 x 400mm	S	3,700.00
3R-774-AL	Dynafix Pallet 400 x 400mm	S	3,900.00
3R-776.1-2	Dynafix Master Control Tool	S	3,475.00
3R-90702.01	Dynafix presettingstation (3R-778)	S	Upon Request
3R-US776	Dynafix Pallet with Double Lineal Vises	A	7,275.00
3R-US778	Dynafix Pallet w/4 Manual Macro Chucks	S	15,275.00
3R-US779	Dynafix Pallet w/4 Manual Combi Chucks	S	15,675.00
3R-D-20129	Dynafix with manual Macro for CMM	S	Upon Request
3R-D-20130	Dynafix with 110mm diameter through hole	S	Upon Request
3R-863.01-US	ID Chip - Macro / Magnum / Dynafix / WEDM (1 Single ID Chip)	S	16.00
3R-863.25-10	ID Chip & Holder for 491 Coins (set of 10)	S	295.00
3R-863.30-10	ID Chip & Holder for R2R Coins (1 pc. coin - no washer) (set of 10)	S	295.00
3R-90025.xx	Tapers by various sizes, machine and chuck adapted 90025.xx (Txxx)	S	Upon Request
3R-90027	Macro Chip Cap for Automatic Chucks (605.1 Drawbar version)	S	Upon Request
3R-90027.01	Macro Chip Cap for Manual Chucks (605.2 Drawbarversion)	S	Upon Request
3R-90027.02	Splash cover for 460.XX	S	Upon Request
3R-90027.03	Splash cover for MacroMagnum chucks	S	Upon Request
3Refix and Accessories			
3R-901-10	3Refix Dowel, 10mm Dia.	S	335.00
3R-901-10E	3Refix Dowel, 10mm Dia. Set of 10 Pcs.	S	3,050.00
3R-901-10RS	3Refix Dowel, Stainless Steel, 10mm Dia.	S	1,175.00
3R-901-20	3Refix Dowel, 20mm Dia.	S	375.00
3R-901-20E	3Refix Dowel, 20mm Dia. Set of 10 Pcs.	S	3,415.00
3R-902-10E	3Refix Bushing for 10mm 3Refix (set of 30)	S	1,375.00
3R-902-20.0E	Bushing (set of 10)	S	475.00
3R-915-20E	3Refix Plastic Plug to protect 3Refix hole (set of 50)	S	105.00
3R-915-M12E	3Refix Plastic M12 Screw (set of 50)	S	90.00
3R-935-XX.XXC	3Refix Table, Custom(Specify Size and mounting hole pattern)	S	Upon Request
3R-90484	3Refix 10mm Dowel w/ Cap Head - 2 pcs	S	Upon Request
3R-90216	Macro Low profile Table Chuck- automatic - H= 35 mm - requires 605.10 Drawbar	S	Upon Request
3R-90356.10	Dynafix Base (770-1) with Dual-Air function for Auto Chuck Pallet System Adapters	S	14,300.00
3R-90356.20	Dyanfix Pallet with Auto Magnum Chuck	S	20,100.00
3R-90356.21	Dynafix Pallet with Auto Combi Chuck Z = 97mm	S	Upon Request
3R-90356.22	Dynafix Pallet with Auto Macro Chuck Z = 90mm	S	14,500.00
3R-90356.23	Dynafix Pallet with Auto Junior Chuck Z = 87mm	S	Upon Request
3R-90356.24	Dyanfix Pallet with Auto Macro Chuck Z = 125mm	S	Upon Request
3R-90412-10	Macro chuck with svivel less adapter plate	S	Upon Request
3R-90413-10	Combi chuck with svivel less adapter plate	S	Upon Request
3R-90937	Holder with Swivel complete	S	Upon Request
3R-90421	3-Jaw chuck on Magnum pallet	S	Upon Request
3R-90443	Man. debris guard for Macro70/Magnum chuck	S	Upon Request
3R-90506	Reference Element - 50 Ton - 75mm Dia	S	Upon Request
3R-90506.01	Pallet 75 mm	S	Upon Request
3R-90576.05	Dynafix Base (770-5) with Dual-Air function for Auto Chuck Pallet System Adapters	S	16,500.00

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Part Number	Description	D/C	Price US \$
3R-90576.06	Dynafix base 5-axis for Auto Chuck Pallet Adapters. Dual air Function, sharing Turbo	S	Upon Request
3R-90588	MacroHP chuck for lathe applications air gun fittings. Max 1000 rpm	S	Upon Request
VDP Chucks			
3R-600.24-V	VDP Manual Macro - 170mm Dia. 90716.05	S	5,400.00
3R-90716.09	VDP Automatic MacroHP - 125mm x 125mm	S	Upon Request
3R-602.10-V	VDP Automatic Macro - Low Profile 90716.10	S	8,720.00
3R-600.1-30V	VDP Automatic MacroHP - 190mm Dia. 90716.12	S	9,995.00
3R-680.1-2V	VDP Automatic MacroMagnum - 230mm Dia. 90717.05	S	14,975.00
3R-90717.06	VDP Manual MacroMagnum - 230mm Dia.	S	Upon Request
3R-90718.04	VDP Dynafix Base	S	Upon Request
3R-680.10-2A	MacroMagnum chuck with dual-function air connection required for 90793	S	9,575.00
3R-90778	Macro Chuck (similar to 3R-600.86-2) Stainless	S	Upon Request
3R-90793	MacroMagnum to Macro automatic Chuck Adapter H= 85 mm (requires 90724)	S	Upon Request
90809.01.10	Conversion kit for 3R-680.24-S- allows use of 605.1 Drawbar	S	Upon Request
3R-90809.02	Magnum chuck man. Stainless	S	9,250.00
3R-90809.03	MacroMagnum Insert Chuck built-in- automatic	S	Upon Request
3R-90825	Macro Chuck-manual 56 x 56	S	Upon Request
3R-90825.10	Macro chuck -auto. 56 x 56, long drawbar	S	Upon Request
3R-90829	3R-610.29 less Refix Holes	S	Upon Request
3R-90829.10	600.19 less 3Refix Holes	S	Upon Request
MacroMatrix Chucks, Pallets and Accessories			
3R-90840-00	MacroMatrix Die chuck built-in kit MacroPress-system	S	Upon Request
3R-90840.10	MacroMatrix Die chuck built-in kit MacroPress-system	S	Upon Request
3R-90840.20	MacroMatrix WEDM chuck MacroPress-system	S	Upon Request
3R-90840.30	MacroMatrix EDM chuck MacroPress-system	S	Upon Request
3R-90840.50	MacroMatrix Drawbar Ø69 mm MacroPress-system	S	Upon Request
3R-90840.60	MacroMatrix Table chuck MacroPress-system	S	Upon Request
3R-90840.70	MacroMatrix Universal master MacroPress-system	S	Upon Request
3R-90840.90	MacroMatrix Spindle chuck MacroPress-system	S	Upon Request
3R-690.1-110	MacroMatrix 110 Chuck, Universal	S	6,800.00
3R-690.1-142	MacroMatrix 142 Chuck Universal	S	8,580.00
3R-690.1-185	MacroMatrix 185 Chuck Universal	S	8,900.00
3R-691.1-110	Macro Matrix 110 Pallet	S	950.00
3R-691.7-110	Macro Matrix 110 Reference Element	S	945.00
3R-691.1-142	Macro Matrix 142 Pallet	S	1,075.00
3R-691.7-142	Macro Matrix 142 Reference Pallet	S	1,025.00
3R-691.1-185	Macro Matrix 185 Pallet	S	1,650.00
3R-695.2-110	Macro Matrix 110 Drawbar - Short	S	350.00
3R-695.2-142	Macro Matrix 142 Drawbar - Short	S	375.00
3R-695.2-185	Macro Matrix 185 Drawbar - Short	S	515.00
3R-696.1-110	Macro Matrix 110 Control Ruler	S	3,100.00
3R-696.1-142	Macro Matrix 142 Control Ruler	S	3,300.00
3R-696.1-185	Macro Matrix 185 Control Ruler	S	4,700.00
3R-90842	Macro block (3R-610.21-S) prepared for use with 3R-605.1	S	Upon Request
3R-90842.01	Conversion kit for 3R-600.24-S- allows use of 605.1 Drawbar	S	Upon Request
3R-90855	Lifting device for Magnum pallets	S	Upon Request
3R-90874	Air Docking retrofit kit for five-axis Machine Tables	S	Upon Request
Collets and Collet Sets			
3R-ER16-00	Collet Set (10 pcs. ER16 Collets .5mm to 10mm)	A	321.00
3R-ER16-01	Collet - Single ER16 0.5 to 1.0mm	A	40.00
3R-ER16-02	Collet - Single ER16 1.0 to 2.0mm	A	40.00
3R-ER16-03	Collet - Single ER16 2.0 to 3.0mm	A	31.00
3R-ER16-04	Collet - Single ER16 3.0 to 4.0mm	A	31.00
3R-ER16-05	Collet - Single ER16 4.0 to 5.0mm	A	31.00
3R-ER16-06	Collet - Single ER16 5.0 to 6.0mm	A	31.00
3R-ER16-07	Collet - Single ER16 6.0 to 7.0mm	A	31.00

System 3R Products			
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Part Number	Description	D/C	Price US \$
3R-ER16-08	Collet - Single ER16 7.0 to 8.0mm	A	31.00
3R-ER16-09	Collet - Single ER16 8.0 to 9.0mm	A	31.00
3R-ER16-10	Collet - Single ER16 9.0 to 10.0mm	A	31.00
3R-ER20-00	Collet - Set (12 pcs. ER20 Collets 1mm to 13mm)	A	383.00
3R-ER20-01	Collet - Single ER20 0.5 to 1.0mm	A	42.00
3R-ER20-02	Collet - Single ER20 1.0 to 2.0mm	A	42.00
3R-ER20-03	Collet - Single ER20 2.0 to 3.0mm	A	32.00
3R-ER20-04	Collet - Single ER20 3.0 to 4.0mm	A	32.00
3R-ER20-05	Collet - Single ER20 4.0 to 5.0mm	A	32.00
3R-ER20-06	Collet - Single ER20 5.0 to 6.0mm	A	32.00
3R-ER20-07	Collet - Single ER20 6.0 to 7.0mm	A	32.00
3R-ER20-08	Collet - Single ER20 7.0 to 8.0mm	A	32.00
3R-ER20-09	Collet - Single ER20 8.0 to 9.0mm	A	32.00
3R-ER20-10	Collet - Single ER20 9.0 to 10.0mm	A	32.00
3R-ER20-11	Collet - Single ER20 10.0 to 11.0mm	A	32.00
3R-ER20-12	Collet - Single ER20 11.0 to 12.0mm	A	32.00
3R-ER20-13	Collet - Single ER20 12.0 to 13.0mm	A	32.00
3R-ER32-00	Collet - Set (18 pcs. ER32 Collets 2mm to 20mm)	A	615.00
3R-ER32-02	Collet - Single ER32 1.0 to 2.0mm	A	55.00
3R-ER32-03	Collet - Single ER32 2.0 to 3.0mm	A	35.00
3R-ER32-04	Collet - Single ER32 3.0 to 4.0mm	A	35.00
3R-ER32-05	Collet - Single ER32 4.0 to 5.0mm	A	35.00
3R-ER32-06	Collet - Single ER32 5.0 to 6.0mm	A	35.00
3R-ER32-07	Collet - Single ER32 6.0 to 7.0mm	A	35.00
3R-ER32-08	Collet - Single ER32 7.0 to 8.0mm	A	35.00
3R-ER32-09	Collet - Single ER32 8.0 to 9.0mm	A	35.00
3R-ER32-10	Collet - Single ER32 9.0 to 10.0mm	A	35.00
3R-ER32-11	Collet - Single ER32 10.0 to 11.0mm	A	35.00
3R-ER32-12	Collet - Single ER32 11.0 to 12.0mm	A	35.00
3R-ER32-13	Collet - Single ER32 12.0 to 13.0mm	A	35.00
3R-ER32-14	Collet - Single ER32 13.0 to 14.0mm	A	35.00
3R-ER32-15	Collet - Single ER32 14.0 to 15.0mm	A	35.00
3R-ER32-16	Collet - Single ER32 15.0 to 16.0mm	A	35.00
3R-ER32-17	Collet - Single ER32 16.0 to 17.0mm	A	35.00
3R-ER32-18	Collet - Single ER32 17.0 to 18.0mm	A	35.00
3R-ER32-19	Collet - Single ER32 18.0 to 19.0mm	A	35.00
3R-ER32-20	Collet - Single ER32 19.0 to 20.0mm	A	35.00
3R-A11489	Adapter Plate to EDM Rams for 600.24-S / 460.34	S	1,055.00
3R-A19724	Adapter Plate (460.34, 600.23-S, 400.34)	S	595.00
3R-A21944	Angle Block for Macro, Combi or Junior	S	1,395.00
3R-A26488	Table Plate for 100 mm Chucks	S	420.00
3R-A26675	Adapter Plate for 100 mm Chucks	S	395.00
3R-A27634	Conversion Kit for 600.28-S- allows use of 605.1 drawbar	S	1,365.00
3R-A3620	Adapter Plate to EDM Rams for Midi and Mini	S	825.00
3R-LL200P	Labels, Large 200 Pcs. + Pen	S	140.00
3R-LS288P	Labels, Small 288 Pcs. + Pen	S	155.00
3R-333-T20	Wrench Torx "T" for Junior Screws (P14.5 & MFT type)	S	55.00
3R-403	Soldering Kit	S	300.00
3R-RU52	Macro Chip Shield 52x52mm Set of 10 Pcs.	S	565.00
3R-RU52L	Macro Chip Shield 52x52mm Set of 10 Pcs.	S	745.00
3R-RU70	Macro Chip Shield 70x70mm Set of 10 Pcs.	S	565.00
3R-SP15055	Macro Chuck with Ground Flange	S	2,185.00
3R-SP18286	Combi Automatic Built-in Chuck	S	4,525.00
3R-SP19047	Combi Automatic Built-in Chuck	S	4,600.00
3R-SP19143	Jr. Chuck - Manual Rear Clamp Stainless	S	1,150.00
3R-SP19269	Jr. Washer - 10mm (30 pcs)	S	Upon Request

System 3R Products

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Part Number	Description	D/C	Price US \$
3R-SP19270	Jr. Electrode Holder Washer for 491 – to use in Combi AEC (set of 30)	S	160.00
3R-SP24460	Macro insert chuck-auto-round with hardened steel References	S	2,700.00
3R-SP25166	Erowa to Macro Convertor	S	3,300.00
3R-SP25442	New Macro HP Square Insert Chuck	S	Upon Request
3R-SP25521	Plastic Chip cover base ring - for 100mm diameter Macro HP Chucks	S	10.00
3R-SP25522	Chip cover cap for 54x54 mm Macro pallets (requires SP25521)	S	10.00
3R-SP25523	Chip cover cap for 70x70 mm Macro pallets (requires SP25521)	S	10.00
3R-SP25524	Chip cover cap for 75 mm diameter Macro pallets (requires SP25521)	S	10.00
3R-SP26756	Pneumatic chuck - square carbide	S	Upon Request
3R-SP26771	Macro insert chuck-auto - round with carbide X-Y References	S	3,345.00
3R-SP26771-RS	Macro insert chuck- auto, stainless- round with carbide X-Y References	S	4,575.00
3R-SP6435	WEDM Dovetail Adapter for 3R-217-1	S	2,050.00
3R-SP7359	Macro Chuck - Automatic	S	4,100.00
3R-SP7359-RS	Macro Chuck - Automatic - Stainless	S	6,500.00
3R-W12-S	Automation Twin Grip - Short	S	520.00
3R-WP1	Grip, automation	S	260.00
Ready-to Run			
3R-494-32x22x50	R2R Copper - 32mm X 22mm X 50mm (set of 10)	C	485.00
3R-494-40x22x50	R2R Copper - 40mm X 22mm X 50mm (set of 10)	C	525.00
3R-494-D10x50	R2R Copper - 10mm Dia. X 50mm Long (set of 10)	C	365.00
3R-494-D12X50	R2R Copper - 12mm Dia. X 50mm Long (set of 10)	C	365.00
3R-494-D16X50	R2R Copper - 16mm Dia. X 50mm Long (set of 10)	C	450.00
3R-494-D22X50	R2R Copper - 22mm Dia. X 50mm Long (set of 10)	C	450.00
3R-494-D26X50	R2R Copper - 26mm Dia. X 50mm Long (set of 10)	C	450.00
3R-494-D32X50	R2R Copper - 32mm Dia. X 50mm Long (set of 10)	C	490.00
3R-494-D40X50	R2R Copper - 40mm Dia. X 50mm Long (set of 10)	C	550.00
3R-494-D50X50	R2R Copper - 50mm Dia. X 50mm Long (set of 10)	C	625.00
3R-494-S12X50	R2R Copper - 12mm X 12mm X 50mm (set of 10)	C	375.00
3R-494-S22X50	R2R Copper - 22mm X 22mm X 50mm (set of 10)	C	450.00
3R-494-S26X50	R2R Copper - 26mm X 26mm X 50mm (set of 10)	C	475.00
3R-494-S32X50	R2R Copper - 32mm X 32mm X 50mm (set of 10)	C	550.00
3R-494-S40X50	R2R Copper - 40mm X 40mm X 50mm (set of 10)	C	595.00
3R-US492D-.625-2	R2R Poco 200 .625" Dia. X 2" Long (set of 10)	C	265.00
3R-US492D-.625-3	R2R Poco 200 .625" Dia. X 3" Long (set of 10)	C	280.00
3R-US492D-.75-2	R2R Poco 200 .75" Dia. X 2" Long (set of 10)	C	283.00
3R-US492D-.75-3	R2R Poco 200 .75" Dia. X 3" Long (set of 10)	C	318.00
3R-US492D-1.25-2	R2R Poco 200 1.25" Dia. X 2" Long (set of 10)	C	374.00
3R-US492D-1.25-3	R2R Poco 200 1.25" Dia. X 3" Long (set of 10)	C	417.00
3R-US492D-1.5-2	R2R Poco 200 1.5" Dia. X 2" Long (set of 10)	C	386.00
3R-US492D-1.5-3	R2R Poco 200 1.5" Dia. X 3" Long (set of 10)	C	468.00
3R-US492D-1.75-2	R2R Poco 200 1.75" Dia. X 2" Long (set of 10)	C	446.00
3R-US492D-1.75-3	R2R Poco 200 1.75" Dia. X 3" Long (set of 10)	C	525.00
3R-US492D-1-2	R2R-Poco 200 1" Dia. X 2" Long (set of 10)	C	304.00
3R-US492D-1-3	R2R Poco 200 1" Dia. X 3" Long (set of 10)	C	330.00
3R-US492D-2-2	R2R Poco 200 2" Dia. X 2" Long (set of 10)	C	465.00
3R-US492D-2-3	R2R Poco 200 2" Dia. X 3" Long (set of 10)	C	651.00
3R-US492S-.625-2	R2R Poco 200 .625" X. 625" X 2" Long (set of 10)	C	251.00
3R-US492S-.625-3	R2R Poco 200 .625" X. 625" X 3" Long (set of 10)	C	265.00
3R-US492S-.75-2	R2R Poco 200 .75" X. 75" X 2" Long (set of 10)	C	261.00
3R-US492S-.75-3	R2R Poco 200 .75" X .75" X 3" Long (set of 10)	C	337.00
3R-US492S-1.25-2	R2R Poco 200 1.25" X 1.25" X 2" Long (set of 10)	C	339.00
3R-US492S-1.25-3	R2R Poco 200 1.25" X 1.25" X 3" Long (set of 10)	C	400.00
3R-US492S-1.5-2	R2R Poco 200 1.5" X 1.5" X 2" Long (set of 10)	C	371.00
3R-US492S-1.5-3	R2R Poco 200 1.5" X 1.5" X 3" Long (set of 10)	C	462.00
3R-US492S-1.75-2	R2R Poco 200 1.75" X 1.75" X 2" Long (set of 10)	C	441.00
3R-US492S-1.75-3	R2R Poco 200 1.75" X 1.75" X 3" Long (set of 10)	C	538.00

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Part Number	Description	D/C	Price US \$
3R-US492S-1-2	R2R Poco 200 1" X 1" X 2" Long (set of 10)	C	299.00
3R-US492S-1-3	R2R Poco 200 1" X 1" X 3" Long (set of 10)	C	358.00
3R-US492S-2-2	R2R Poco 200 2" X 2" X 2" Long (set of 10)	C	504.00
3R-US492S-2-3	R2R Poco 200 2" X 2" X 3" Long (set of 10)	C	631.00
3R-US493D-.625-2	R2R Poco 3 .625" Dia. X 2" Long (set of 10)	C	338.00
3R-US493D-.625-3	R2R Poco 3 .625" Dia. X 3" Long (set of 10)	C	385.00
3R-US493D-.75-2	R2R Poco 3 .75" Dia. X 2" Long (set of 10)	C	388.00
3R-US493D-.75-3	R2R Poco 3 .75" Dia. X 3" Long (set of 10)	C	439.00
3R-US493D-1.25-2	R2R Poco 3 1.25" Dia. X 2" Long (set of 10)	C	568.00
3R-US493D-1.25-3	R2R Poco 3 1.25" Dia. X 3" Long (set of 10)	C	705.00
3R-US493D-1.5-2	R2R Poco 3 1.5" Dia. X 2" Long (set of 10)	C	705.00
3R-US493D-1.5-3	R2R Poco 3 1.5" Dia. X 3" Long (set of 10)	C	900.00
3R-US493D-1.75-2	R2R Poco 3 1.75" Dia. X 2" Long (set of 10)	C	814.00
3R-US493D-1.75-3	R2R Poco 3 1.75" Dia. X 3" Long (set of 10)	C	1,073.00
3R-US493D-1-2	R2R Poco 3 1" Dia. X 2" Long (set of 10)	C	453.00
3R-US493D-1-3	R2R Poco 3 1" Dia. X 3" Long (set of 10)	C	547.00
3R-US493D-2-2	R2R Poco 3 2" Dia. X 2" Long (set of 10)	C	977.00
3R-US493D-2-3	R2R Poco 3 2" Dia. X 3" Long (set of 10)	C	1,297.00
3R-US493S-.625-2	R2R Poco 3 .625" X .625" X 2" Long (set of 10)	C	330.00
3R-US493S-.625-3	R2R Poco 3 .625" X .625" X 3" Long (set of 10)	C	345.00
3R-US493S-.75-2	R2R Poco 3 .75" X .75" X 2" Long (set of 10)	C	374.00
3R-US493S-.75-3	R2R Poco 3 .75" X .75" X 3" (set of 10)	C	449.00
3R-US493S-1.25-2	R2R Poco 3 1.25" X 1.25" X 2" Long (set of 10)	C	555.00
3R-US493S-1.25-3	R2R Poco 3 1.25" X 1.25" X 3" Long (set of 10)	C	648.00
3R-US493S-1.5-2	R2R Poco 3 1.5" X 1.5" X 2" Long (set of 10)	C	694.00
3R-US493S-1.5-3	R2R Poco 3 1.5" X 1.5" X 3" Long (set of 10)	C	811.00
3R-US493S-1.75-2	R2R Poco 3 1.75" X 1.75" X 2" Long (set of 10)	C	860.00
3R-US493S-1.75-3	R2R Poco 3 1.75" X 1.75" X 3" Long (set of 10)	C	985.00
3R-US493S-1-2	R2R Poco 3 1" X 1" X 2" Long (set of 10)	C	468.00
3R-US493S-1-3	R2R Poco 3 1" X 1" X 3" Long (set of 10)	C	607.00
3R-US493S-2-2	R2R Poco 3 2" X 2" X 2" Long (set of 10)	C	994.00
3R-US493S-2-3	R2R Poco 3 2" X 2" X 3" Long (set of 10)	C	1,357.00
Pinpoint and Tunnel Gate Electrodes for US90-601			
PPG100-2	Pin Point Gate Electrode .100 x 2"	C	37.00
PPG100-2.5	Pin Point Gate Electrode .100 x 2.5"	C	40.00
PPG40-2	Pin Point Gate Electrode .040 x 2"	C	37.00
PPG40-2.5	Pin Point Gate Electrode .040 x 2.5"	C	40.00
PPG50-2	Pin Point Gate Electrode .050 x 2"	C	37.00
PPG50-2.5	Pin Point Gate Electrode .050 x 2.5"	C	40.00
PPG60-2	Pin Point Gate Electrode .060 x 2"	C	37.00
PPG60-2.5	Pin Point Gate Electrode .060 X 2.5"	C	40.00
PPG70-2	Pin Point Gate Electrode .070 x 2"	C	37.00
PPG70-2.5	Pin Point Gate Electrode .070 x 2.5"	C	40.00
PPG80-2	Pin Point Gate Electrode .080 x 2"	C	37.00
PPG80-2.5	Pin Point Gate Electrode .080 x 2.5"	C	40.00
PPG90-2	Pin Point Gate Electrode .090 x 2"	C	37.00
PPG90-2.5	Pin Point Gate Electrode .090 x 2.5"	C	40.00
TG062-20-1	Tunnel Gate Electrode .0625 x 20 x 1"	C	33.00
TG062-20-1.5	Tunnel Gate Electrode .0625 x 20 x 1.5"	C	36.00
TG062-30-1	Tunnel Gate Electrode .0625 x 30 x 1"	C	36.00
TG062-30-1.5	Tunnel Gate Electrode .0625 x 30 x 1.5"	C	36.00
TG125-20-1	Tunnel Gate Electrode .1250 x 20 x 1"	C	33.00
TG125-20-1.5	Tunnel Gate Electrode .1250 x 20 x 1.5"	C	36.00
TG125-30-1	Tunnel Gate Electrode .1250 x 30 x 1"	C	36.00
TG125-30-1.5	Tunnel Gate Electrode .1250 x 30 x 1.5"	C	36.00
TG187-20-1	Tunnel Gate Electrode .1875 x 20 x 1"	C	29.00

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Part Number	Description	D/C	Price US \$
TG187-20-1.5	Tunnel Gate Electrode .1875 x 20 x 1.5"	C	36.00
TG187-30-1	Tunnel Gate Electrode .1875 x 30 x 1"	C	34.00
TG187-30-1.5	Tunnel Gate Electrode .1875 x 30 x 1.5"	C	36.00
TG250-20-1	Tunnel Gate Electrode .2500 x 20 x 1"	C	34.00
TG250-20-1.5	Tunnel Gate Electrode .2500 x 20 x 1.5"	C	36.00
TG250-30-1	Tunnel Gate Electrode .2500 x 30 x 1"	C	34.00
TG250-30-1.5	Tunnel Gate Electrode .2500 x 30 x 1.5"	C	36.00
Hermann Schmidt Chucks, Vises and Accessories			
3R-USHS001	Magnet (Model EML-2.5"x2.5"X5.125") on Macro Pallet	A	2,350.00
3R-USHS002	Vise (Model V04S - 4" Capacity) on Macro Pallet - Not Stainless - Z Not Controlled	A	1,475.00
3R-USHS003	Vise - Stainless (Model V04S) on Macro Pallet - Z Not Controlled	A	2,240.00
3R-USHS004	Magnet 6" x 6" Fine Pole on Macro Pallet - X/Y/Z Are Controlled Dimensions	A	2,850.00
3R-USHS005	Magnet 6" x 6" Fine Pole on Magnum Pallet - X/Y/Z Are Controlled Dimensions	A	2,850.00
3R-USHS006	Magnet 4" x 4" Fine Pole on Macro Pallet - X/Y/Z Are Controlled Dimensions	A	2,025.00
3R-USHS008	Magnet 12" x 12" Fine Pole on Dynafix Pallet - Z Is a Controlled Dimension	A	6,990.00
3R-USHS009	Magnet 12" x 12" FP on Dynafix Pallet - Corners Removed - Z Is a Controlled Dim.	A	6,990.00
3R-USHS011	Three Jaw Stainless Chuck-Round - .020"-1" Cap. on Macro - Specify "Sweet Spot"	A	4,700.00
3R-USHS012	Three Jaw Stainless Chuck-4"x4" Sq - .020"-1" Cap. on Macro - Diving-Board Style	A	5,025.00
3R-USHS013	Three Jaw Stainless Chuck-5"x5" Sq - 1"-2" Cap. on Macro - Diving-Board Style	A	5,550.00
3R-USHS014	Magnet 4" Round Fine Pole on Macro Pallet - Z is a Controlled Dimension	A	1,565.00
3R-USHS015	Magnet 6" x 6" for High Speed Milling on Macro Pallet - X/Y/Z Are Controlled Dims.	A	3,425.00
3R-USHS016	Magnet 6" x 6" for High Speed Milling on Magnum Pallet - X/Y/Z Are Controlled Dims.	A	4,040.00
3R-USHS017	Magnet 12" x 12" for High Speed Milling on Dynafix Pallet - Z Is a Controlled Dim.	A	8,365.00
3R-USHS018	Magnet 12" x 12" for HS Milling on Dynafix - Corners Removed - Z Is Controlled	A	8,365.00
3R-USHS023	Round Stainless Three-jaw Chuck with 1" - 2" Cap. on Macro. Specify "Sweet Spot".	A	5,200.00
3R-USHS025	Round Stainless Three-jaw Chuck with 1" - 2" Cap. on Magnum. Specify "Sweet Spot".	A	5,415.00
3R-USHS026	8" x 8" Fine Pole Magnet on Dynafix. Z is a Controlled Dimension	A	5,890.00
3R-USHS027	Round Stainless Six-jaw Chuck with 2" - 3" Cap on Magnum. Specify "Sweet Spot".	A	8,985.00
3R-USHS028	6" x 12" Fine Pole Magnet on Dynafix. Z is a Controlled Dimension	A	4,940.00
3R-USHS029	6"x12" Magnet for HSM on Dynafix. Z is a Controlled Dimension. Req.on certain Mikrons	A	5,540.00
3R-USHS030	Vise with 1.5" capacity on Macro. Not Stainless. Z is not a controlled dimension	A	1,045.00
3R-USHS031	Stainless Vise with 1.5" capacity on Macro. Z is not a controlled dimension	A	1,100.00
3R-USHS032	6 5/8" x 6 5/8" Stainless Six-jaw Chuck with 2"-3" Cap. on "diving-board-style" for leveling head	A	9,495.00
Palletized Spreitzer Vises, Chucks and Fixtures			
B809500002	MZE 80-36 on Macro 3R-651.7-P	A	1,385.00
B809500357	MZE 80-36VA on Macro 3R-651.7-P	A	1,950.00
B809500006	MZE 80-36 on GPS 70 C 695 270 (steel)	A	2,905.00
B809500007	MZE 80-36 on GPS 70 C 695 040 (alu)	A	1,635.00
B809500138	MZE 170-60 on MacroMagnum 3R-681.51-5A	A	3,350.00
B809500210	MZE 170-60 on Dynafix 3R-771.2	A	3,805.00
B809500134	MZE 170-60 on GPS 120 C 695 370 (steel)	A	4,100.00
B809500130	MZE 170-60 on GPS 120 C 695 140 (alu)	A	2,185.00
B809500206	MZE 170-60 on GPS 240 C 694 470	A	2,965.00
B809500217	MZE 170-60 (2x) on Dynafix 3R-771.2	A	5,530.00
B809500213	MZE 170-60 (2x) on GPS 240 C 694 470	A	4,690.00
B809500140	MZE 220-80 on MacroMagnum 3R-681.51-5A	A	3,615.00
B809500222	MZE 220-80 on Dynafix 3R-771.2	A	3,205.00
B809500136	MZE 220-80 on GPS 120 C 695 370 (steel)	A	4,380.00
B809500132	MZE 220-80 on GPS 120 C 695 140 (alu)	A	2,465.00
B809500215	MZE 220-80 on GPS 240 C 694 470	A	3,230.00
B809500224	MZE 280-100 on Dynafix 3R-771.2	A	4,085.00
B809500220	MZE 280-100 on GPS 240 C 694 470	A	3,685.00
B200500040	MZE 280-100 on Delphin	A	2,415.00
B809500227	MZE 360-125 on Dynafix 3R-771.2	A	5,425.00
B200500042	MZE 360-125 on Delphin	A	3,740.00
B809500363	MZU 80-36 on Macro 3R-651.7-P	A	1,500.00

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Part Number	Description	D/C	Price US \$
B809500139	Two MZU 170-60 on MacroMagnum 3R-681.51-5A	A	4,900.00
B809500211	MZU 170-60 on Dynafix 3R-771.2	A	4,260.00
B809500135	MZU 170-60 on GPS 120 C 695 370 (steel)	A	4,560.00
B809500131	MZU 170-60 on GPS 120 C 695 140 (alu)	A	2,630.00
B809500207	MZU 170-60 on GPS 240 C 694 470	A	3,400.00
B809500218	MZU 170-60 (2x) Dynafix 3R-771.2	A	6,410.00
B809500214	MZU 170-60 (2x) GPS 240 C 694 470	A	5,575.00
B809500141	MZU 220-80 on MacroMagnum 3R-681.51-5A	A	4,070.00
B809500223	MZU 220-80 on Dynafix 3R-771.2	A	4,085.00
B809500137	MZU 220-80 on GPS 120 C 695 370 (steel)	A	4,830.00
B809500133	MZU 220-80 on GPS 120 C 695 140 (alu)	A	2,905.00
B809500216	MZU 220-80 on GPS 240 C 694 470	A	3,695.00
B809500225	MZU 280-100 on Dynafix 3R-771.2	A	4,550.00
B809500221	MZU 280-100 on GPS 240 C 694 470	A	4,160.00
B200500048	MZU 280-100 on Delphin	A	2,880.00
B809500228	MZU 360-125 on Dynafix 3R-771.2	A	6,075.00
B200500050	MZU 360-125 on Delphin	A	4,270.00
B809500023	MZS 70-36A on Macro 3R-651.7-P	A	2,590.00
B809500028	MZS 70-36A on GPS 70 C 695 270 (steel)	A	4,050.00
B809500030	MZS 70-36A on GPS 70 C 695 040 (alu)	A	2,795.00
B809500024	MZS 70-36B on Macro 3R-651.7-P	A	2,590.00
B809500029	MZS 70-36B on GPS 70 C 695 270 (steel)	A	4,050.00
B809500031	MZS 70-36B on GPS 70 C 695 040 (alu)	A	2,795.00
B809500150	MZS 120-60A on MacroMagnum 3R-681.51-5A	A	4,380.00
B809500146	MZS 120-60A on GPS 120 C 695 370 (steel)	A	5,490.00
B809500148	MZS 120-60A on GPS 120 C 695 140 (alu)	A	3,560.00
B800500002	MZS 120-60B on Macro 601.7-P	A	3,330.00
B809500151	MZS 120-60B on MacroMagnum 3R-681.51-5A	A	4,380.00
B809500147	MZS 120-60B on GPS 120 C 695 370 (steel)	A	5,490.00
B809500149	MZS 120-60B on GPS 120 C 695 140 (alu)	A	3,560.00
B809500156	MZS 180-80 A on MacroMagnum 3R-681.51-5A	A	5,570.00
B809500233	MZS 180-80 A on Dynafix 3R-771.2	A	6,035.00
B809500229	MZS 180-80 A on GPS 240 C 694 470	A	5,790.00
B809500157	MZS 180-80 B on MacroMagnum 3R-681.51-5A	A	5,820.00
B809500234	MZS 180-80 B on Dynafix 3R-771.2	A	6,275.00
B809500230	MZS 180-80 B on GPS 240 C 694 470	A	6,050.00
B809500247	MZS 260-125 A on Dynafix 3R-771.2	A	7,635.00
B809500243	MZS 260-125 A on GPS 240 C 694 470	A	7,430.00
B200500025	MZS 260-125 A on Delphin	A	5,970.00
B809500248	MZS 260-125 B on Dynafix 3R-771.2	A	8,020.00
B809500244	MZS 260-125 B on GPS 240 C 694 470	A	7,830.00
B200500027	MZS 260-125 B on Delphin	A	6,355.00
B809500087	N 25 S on Macro 3R-651.7-P	A	1,535.00
B809500092	N 25 S on GPS 70 C 695 270 (steel)	A	2,630.00
B809500093	N 25 S on GPS 70 C 695 040 (alu)	A	1,385.00
B809500109	N 50 S on Macro 3R-651.7-P	A	1,960.00
B809500114	N 50 S on GPS 70 C 695 270 (steel)	A	3,165.00
B809500115	N 50 S on GPS 70 C 695 040 (alu)	A	1,910.00
B809500142	N 50 S on GPS 120 C 695 370 (steel)	A	3,885.00
B809500143	N 50 S on GPS 120 C 695 140 (alu)	A	1,955.00
B809500065	DBF 80 on Macro 3R-651.7-P	A	1,705.00
B809500264	DBF 80 (4x) on GPS 240 C 694 470	A	5,945.00
B809500078	DBF 100 on Macro 3R-601.7-P	A	1,840.00
B809500081	DBF 100 on GPS 70 C 695 270 (steel)	A	2,900.00
B809500082	DBF 100 on GPS 70 C 695 040 (alu)	A	1,650.00
B809500268	DBF 100 (4x) on Dynafix 3R-771.2	A	6,350.00

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Part Number	Description	D/C	Price US \$
B809500183	DBF 160 on MacroMagnum 3R-681.51-5A	A	2,645.00
B809500179	DBF 160 on GPS 120 C 695 370 (steel)	A	3,850.00
B809500180	DBF 160 on GPS 120 C 695 140 (alu)	A	1,925.00
B809500275	DBF 200 on GPS 240 C 694 470	A	3,335.00
B809500281	DBF 250 on Dynafix 3R-771.2	A	4,265.00
B809500120	Grid plate 180x180 on Macro 3R-601.7-P	A	1,150.00
B809500187	Grid plate 240x240 on MacroMagnum 3R-681.51-5A	A	2,240.00
B809500304	Grid plate 280x280 on Dynafix 3R-771.2	A	2,695.00
B809500301	Grid plate 280x280 on GPS 240 C 694 470	A	2,510.00
B809500127	T-Slot plate 180x180 on Macro 3R-601.7-P	A	1,210.00
B809500191	T-Slot plate 240x240 on MacroMagnum 3R-681.51-5A	A	2,295.00
B809500330	T-Slot plate 280x280 on Dynafix 3R-771.2	A	2,630.00
B809500327	T-Slot plate 280x280 on GPS 240 C 694 470	A	2,440.00
Unmounted Spreitzer Vises, Chucks and Accessories			
B200500044	MZE 80-36, unmounted, with 89 degree step Jaw	A	1,010.00
B200500055	MZE 80-36VA Corosion Resistant, unmounted, with 89 degree step Jaw	A	1,820.00
B200500123	MZE 120-60 unmounted with no jaws	A	1,930.00
B200500038	MZE 170-60, unmounted, with 89 degree step Jaw	A	1,930.00
B200500062	MZE 220-80, unmounted, with 89 degree step Jaw	A	2,250.00
B200500101	MZU 80-36 unmounted, with pair of reversible stepped Jaws	A	1,270.00
B200500100	MZU 80-36 unmounted, without jaws	A	990.00
B200500046	MZU 170-60, unmounted, with pair of reversible stepped Jaws	A	2,440.00
B200500063	MZU 220-80, unmounted, with pair of reversible stepped Jaws	A	2,770.00
B200500001	MZS 70-36 A, unmounted, with pair of Soft Block Jaws	A	2,320.00
B200500036	MZS 70-36 A-3R, unmounted, with pair of Soft Block Jaws	A	2,380.00
B200500003	MZS 70-36 B, unmounted, with pair of Hard Clamping Jaws	A	2,080.00
B200500037	MZS 70-36 B-3R, unmounted, with pair of Hard Clamping Jaws	A	2,080.00
B200500009	MZS 120-60 A, unmounted, with pair of Soft Block Jaws	A	2,750.00
B200500011	MZS 120-60 B, unmounted, with pair of Hard Clamping Jaws	A	2,750.00
B200500013	MZS 180-80 A, unmounted, with pair of Soft Block Jaws	A	3,950.00
B200500015	MZS 180-80 B, unmounted, with pair of Hard Clamping Jaws	A	3,870.00
B200500025	MZS 260-125 A, unmounted, with pair of Soft Block Jaws	A	6,060.00
B200500027	MZS 260-125 B, unmounted, with pair of Hard Clamping Jaws	A	6,740.00
B200500059	MZS 450-160 A, unmounted, with pair of Soft Block Jaws	A	10,180.00
B200500060	MZS 450-160 B, unmounted, with pair of Hard Clamping Jaws	A	11,060.00
B209800001	Replacement Soft Jaws for MZS 70-36A vise	A	140.00
B209800007	Replacement Soft Jaws for MZS 70-36B vise	A	85.00
B209800118	Grip jaws for MZE 80-36	A	260.00
B209800213	Reversible Stepped Jaws for MZU 170-60	A	605.00
B209800139	Reversible Stepped Jaws with Carbide Coating for MZU 170-60	A	830.00
B209800155	Reversible Stepped Jaws with Grip Inserts for MZU 170-60	A	795.00
B209800093	Soft Jaws for MZS 100-50B Vise	A	100.00
B209800095	Soft Jaws for MZS 120-60B Vise	A	100.00
B209800033	Step Jaws for MZS 100-50B Vise	A	285.00
B209800034	Step Jaws for MZS 120-60B Vise	A	285.00
B209800280	Grip Jaws for MZS 100-50B Vise	A	305.00
B209800249	Grip Jaws for MZS 120-60B Vise	A	320.00
B209800278	3/8" Square Drive Adjustable Torque Wrench 14 3/4" long with a 20-100Nm Range	A	190.00
B209800279	3/8" Square Drive Adjustable Torque Wrench 21" long with a 40-200Nm Range	A	240.00
B209800364	1/2" Square Drive Adjustable Torque Wrench 25" long with a 70-350Nm Range	A	290.00
B101000028	Precision vise, N 25 S	A	740.00
B101000030	Precision vise, N 50 S	A	1,180.00
B900500075	Three-jaw chuck, DBF 80	A	1,055.00
B900500076	Three-jaw chuck, DBF 100	A	1,100.00
B900500078	Three-jaw chuck, DBF 160	A	1,300.00
B900500079	Three-jaw chuck, DBF 200	A	1,520.00

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Part Number	Description	D/C	Price US \$
B900500080	Three-jaw chuck, DBF 250	A	2,090.00
B900500639	Base Jaws for DBF-160 Three-Jaw Chuck	A	230.00
B900500651	Top Jaws for DBF-160 Three-Jaw Chuck	A	195.00
Z300037100	Grid plates, 180x180x40mm	A	840.00
Z300037200	Grid plates, 240x240x40mm	A	1,060.00
Z3000104P0	Grid plates, 280x280x15mm	A	1,375.00
Z300037400	T-Slot plates, 180x180x40mm	A	895.00
Z300037500	T-Slot plates, 240x240x40mm	A	1,125.00
Z300037600	T-Slot plates, 280x280x40mm	A	1,290.00
MZC Vises and Accessories			
B200500115	MZC 220-80 E- unmounted, Standard Precision, without Clamping Jaws	A	3,370.00
B200500113	MZC 220-80 S- unmounted, High Precision, without Clamping Jaws	A	4,350.00
B200500114	MZC 220-80 E- unmounted, Standard Precision, with Hardened Reversible Stepped Jaws	A	4,010.00
B200500112	MZC 220-80 S- unmounted, High Precision, with Hardened Reversible Stepped Jaws	A	4,990.00
B200500119	MZC 280-100 E- unmounted, Standard Precision, without Clamping Jaws	A	4,130.00
B200500117	MZC 280 100 S- unmounted, High Precision, without Clamping Jaws	A	5,330.00
B200500118	MZC 280-100 E- unmounted, Standard Precision, with Hardened Reversible Stepped Jaws	A	4,960.00
B200500116	MZC 280-100 S- unmounted, High Precision, with Hardened Reversible Stepped Jaws	A	6,160.00
B209800336	Reversible stepped jaws 80mm for MZC 220-80	A	640.00
B209800337	Reversible stepped jaws 50mm MZC 220-80	A	530.00
B209800333	Reversible stepped jaws with grip inserts MZC 220-80	A	930.00
B209800334	Reversible stepped jaws with insert carbide coating MZC 220-80	A	860.00
B209800335	Pendulum jaws with grip inserts MZC 220-80	A	1,540.00
B209800338	Soft block jaws for MZC 220-80	A	330.00
B209800340	Grip insert for B209800335 (2 pieces)	A	140.00
B209800341	Grip insert for B209800333 / B2098000334 (2 pieces)	A	340.00
B209800342	Clamping rail with carbide coating for B209800333 / B2098000334 (2 pieces)	A	280.00
B209800204	Center jaw for MZC 220-80	A	390.00
B209800151	Fixing kit for T-slot 14 mm for MZC 220-80	A	310.00
B209800224	Wrench SW 15 for MZC 220-80	A	95.00
Concentricity Gages			
B701000001	RPG 0825 AL Concentricity Gage with .8 - 25mm Range	A	4,620.00
B701000002	RPG 240 AL Concentricity Gage with 2 - 40mm Range	A	4,330.00
B701000003	RPG 350 AL Concentricity Gage with 3 - 50mm Range	A	4,030.00
B701000004	RPG 450 AL Concentricity Gage with 4 - 50mm Range	A	3,610.00
B703000004	RPGP-350 Concentricity Gage with two fixed Vee Blocks 350 x 160mm	A	4,595.00
B701200004	RPG 330 Mini	A	3,210.00
B701200007	RPG 820 Mini	A	3,790.00
B601000035	DBF 63 VA (63mm Stainless 3-Jaw Chuck)	A	1,590.00
B601000036	DBF 100 VA (100mm Stainless 3-Jaw Chuck)	A	2,930.00
B601000038	DBF 140VA (140mm Stainless 3-Jaw Chuck)	A	4,400.00
B601000047	DBF 160 VA (160mm Stainless 3-Jaw Chuck)	A	7,530.00