Clausing - Over a Century in the Machine Tool Business Partner with Fagor Simplifying your Automation Needs



3-Axis Super CNC Bed Mills with Fagor 8055i Control

- Powerful 5 Hp spindle motor on SUP4BVS & SUP6BVS
- 7.5 Hp spindle motor on SUP8BVS
- Inverter variable speed drive with 2 speed ranges
- Hardened and ground spindle with NT40 taper
- Hardened and chromed guill with 5" travel CP4 ABEC7 angular contact spindle bearings
- C7 double nut X/Y/Z axes 1.26" diameter ballscrew
- Hardened and ground table surface
- Ground T-slots to provide accurate reference edge
- Hardened and ground, square X/Y ways
- Turcite B coating on saddle X/Y axes ways
- Meehanite castings for superior rigidity and wear resistance
- Telescopic Z axis ballscrew cover

- . Z axis accordion way cover
- · Stainless steel front Y axis way cover
- . Rubber rear Y/Z axes way covers
- . Heavy-duty overhead control arm
- X/Y axes handwheels
- Coolant system with pump
- Automatic lubrication with alarm
- . Heavy-duty chip tray, rear splash guard and table guarding
- Long arm halogen work light
- · Tools, toolbox and parts



Fagor 8055 CNC

- . USB Port on keyboard for easy program management
- Compact Flash Memory Up To 2+ GB
- · Windows Type Explorer for easy program memory management
- · Flat screen high resolution Color LCD monitor
- · High Performance Digital Servo Motor Management
- Intelligent Profile Editor (built-in CAD/CAM)
- OEM Features: Circle Geometry Test, PLC Logic Analyzer.
- Powerful ICON Programming Concept With Dedicated Keys for: Profiles, etc. (26 such functions)
- Advanced features: Mirror Imaging, Scaling Factor. Pattern Repeat and much more; all standard

- High Level Language Programming
- Interactive Editor for simple program creation



MultiTurn MR Series CNC Combination Lathe with Fagor 8055i TC Controls

- Conversational Programming
- Direct Dimension Programming
- Multi Repetitive Cycles for automatic finishing, roughing, drilling, threading, and grooving cycles
- Toolpath graphics
- 10.4° color LCD Display
- Programmable increments: 0.0001" min., 999.9999" max.
- Thread cutting leads: 0.00001" min., 1.0" max.
- Thread repair cycle
- Multiple part program storage
- Menu programming format with operator prompts.
- Constant Surface Speed / Direct rpm programming

- 4MB Memory
- Two axes linear & circular interpolation Tool inspection
- Inch / metric data input
- Rigid Tapping · Solid Graphics
- Text Search
- Full Alpha / Numeric Keyboard
- Background Editing
- Decimal Point Programming
- Optional Stop and Block Skid





For more information: 800-323-0972 or visit www.clausing-industrial.com



For more information: 800-423-2467 or info@fagor-automation.com



Model	Chuck Size	Groove Width	Server Size	Hole Space	Hg1 Inch	Part Number	Set Price	Part Number	Set Price	
KIX 8206	67	0.472	10MM	9.787	2"	KT-6390F	\$30.31	RKT-6200A	\$ 71.87	
H606					4"	KY-6400F	\$86.01	RICT-6400A	\$ 106.80	
KB 8208	8"	0.551	13WM	0.964	7	KT-8200F	\$39.66	RRCT-8200A	\$ 84.41	
H608					4"	KT-8400F	\$67.48	RRT-8400A	\$ 150.00	
KR 8210	16"	0.430	12WM	5,581	2"	KT-18200F	544.31	FRCT-10200A	\$ 124.90	
HS10, N210	**				4"	KT-10400F	\$72.75	FRIT-10400A	\$ 201.11	
XR 812	12"	6,709	1400M	5,503	7	KT-12200F	\$63.49	FBKT-12200A	\$ 100.11	
H812					3"	KT-12500F	\$95.20	FRT-12300A	\$ 255.35	
Kt 8212 N212	12"	0.627	1000M	5.501	2"	KT-12208F	\$65.49	FRT-12208A	\$ 160.10	
					3.	KT-12308F	\$95.20	FRCT-12308A	\$ 230.10	

US Shop Tools Direct!

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For Kitagawa®, Samchully, Strong, SMW Autoblok & MMK Chucks Many more sizes & styles available-the largest variety in the USA!

Chuck Jaws stocked in California & Michigan



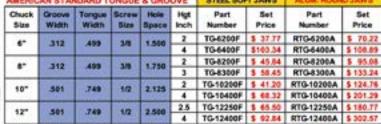
For 1.5mm x 60" Serration Chucks						STEEL SOFT JAWS		ALUM, ROUND JAWS	
Model	Chuck Size	Groove Width	Serve Size	Hole Space	Hg1 linch	Part Number	Set Price	Part Number	Set Price
KIX 8206	40	0.472	10MM	0.787	2"	KT-6290F	\$30.31	RKT-6200A	\$ 71.87
H606	7.				4"	KT-6400F	\$86.01	RRCT-6400A	\$ 100.80
KB 8208	8"	0.551	13WM	0.964	7	KT-8200F	\$39.66	RKT-8200A	\$ 84.48
H508					4"	KT-8400F	\$67.48	RHCT-8400A	\$ 150.00
Kit 8210	100"	10" 0.630	12WM	5,581	2"	KT-18200F	544.31	FRCT-10200A	\$ 124.97
HS10, N210					4"	KT-10400F	\$72.75	FRIT-10400A	\$ 201.11
KR 812 HS12	12*	6,709	1400M	5,501	7	KT-12200F	\$63.49	FBKT-1220GA	\$ 100.11
					7	KT-12500F	\$95.20	FRT-12300A	\$ 255-35
Kit B212 N212	12"	0.627	1000M	5.501	2"	KT-12208F	\$63.49	FRT-12208A	\$ 160.16
					3.	KT-12308F	\$95.20	FRT-12308A	\$ 235.54

For Bison, Buck, BTC, Cushman, TMX, PBA & Rohm Chucks

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PRECISION ER Collets: 0.0005" TIR or better **ULTRA PRECISION ER Collets:** 0.0002" TIR or better

- TRUE INCH and metric sizes
- Crafted from high quality European alloy spring steel Large Selection-Ready to ship!

Precision

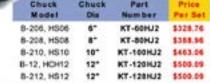
Ultra Precision \$7600

40 each

HARD JAWS SHARK JAWS For 1.5mm x 60° Serrations Chucks · Designed for first operation roughing. expect runout between 0.005-0.010 Reversible- for OD & ID workholding.

- Conical teeth for extra gripping power Ideal for castings and scaly material · Black oxide for long life
- 2 steps (1 step also available)

MA	III. HI USA
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	Strong, MMK,
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Your VALUABLE Machine Deserves A Premium Knob!

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- · Semi-steel body Two piece "master jaw" style
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BL3866-0800Z S 429.00 \$ 386.10 BI-3866-1200Z \$ 959.00 \$ 863.10 1000 Bi-3866-1600Z \$1,359.00 \$1,223.10

Mfg's List

TOOLHOLDERS



BALANCED to 15,000 RPM @ g6. on a HAIMER machine (cert. included)

Manufactured to ISO 9002 quality control standards

CAT & BT taper endmill holders collet chucks & Jacobs/Morse Taper holders

AT3 Class Accuracy Results in less vibration

RICES REDUCED UP TO 30%! END MILL ER COLLET HOLDERS CHUCKS

QUANTITY DISCOUNTS to Rc 56/58 10% OFFI - Exceeds Industry Standards 10 or more knobs For Tolerance (ANSI, DIN, JMTBA)

The Country of the Co		110000	L MARIO DAS	Contraction in	- Contracting	E SHIT LANGUAGES	_ F. S. Part	
	Fadal BT40	M16-2.0	.740	90"	No	B40-4501S	5	16
	HANS BT40	M16-2.0	.590	45"	Yes	B40-4500H	5	21
	HAAS CAT40	58-11	.589	45"	No	C40-4501S	\$	16
	Fadal CAT40	58-11	740	45"	No	C40-4500S	\$	14
	Okuma CAT40	58-11	.580	60"	No	C40-6000S		16
	Mazak CAT40	58-11	.740	45*	Yes	C40-4500H	1	15
	Mori Seiki CAT50	1-8	.906	90"	No	C50-9000S	\$	20
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MACHINE VISES



AngLock® design eliminates

tilt or movement of moveable jaw while it is clamped

Max. clamping force: 7968 lbs

Permits clamping in all 4 positions Flame hardened vise bed

Mfg's List: \$587.00 $529\frac{00}{ach}$ 6 Jeach Part # KURT-DASS

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