

# 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 quill 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: 0.0001" 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](http://www.clausing-industrial.com)



For more information: 800-423-2467  
or [info@fagor-automation.com](mailto:info@fagor-automation.com)



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Sales: 800-243-7701 Fax: 800-342-3311 [www.usstexpress.com](http://www.usstexpress.com)

## \*THE LARGEST VARIETY OF CHUCK JAWS IN THE USA!\*

### CHUCK JAWS FOR 1.5mm x 60° SERRATION CHUCKS

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	Screw Size	Hole Space	Hgt. Inch	Part Number	Set Price	Part Number	Set Price
KI-8206	6"	0.472	10MM	0.787	2"	KT-8206F	\$36.31	RKT-8206A	\$ 71.87
HS06					4"	KT-8406F	\$85.81	RKT-8406A	\$ 166.89
KI-8208	8"	0.551	12MM	0.904	2"	KT-8208F	\$39.68	RKT-8208A	\$ 84.48
HS08					4"	KT-8408F	\$67.48	RKT-8408A	\$ 150.00
KI-8210	10"	0.630	12MM	1.181	2"	KT-1020F	\$44.31	RKT-1020A	\$ 124.87
HS10, NS10					4"	KT-1040F	\$72.75	RKT-1040A	\$ 201.19
KI-8212	12"	0.709	14MM	1.581	2"	KT-1220F	\$63.49	RKT-1220A	\$ 189.19
HS12					3"	KT-1230F	\$95.20	RKT-1230A	\$ 255.35
KI-8212	12"	0.827	16MM	1.581	2"	KT-1220F	\$63.49	RKT-1220A	\$ 189.19
NS12					3"	KT-1230F	\$95.20	RKT-1230A	\$ 255.14

\*For Pointed Soft Jaws, replace the "F" at the end of the part number with "P" and add \$3.25 per set.

### AMERICAN STD. TONGUE & GROOVE CHUCK JAWS

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

- Many more sizes & styles available-The Largest Variety In The USA!
- BIG Round Jaws available
- Chuck Jaws stocked in California & Michigan!
- 100% Made In The USA!

AMERICAN STANDARD TONGUE & GROOVE						STEEL SOFT JAWS		ALUM. ROUND JAWS	
Chuck Size	Groove Width	Tongue Width	Screw Size	Hole Space	Hgt. Inch	Part Number	Set Price	Part Number	Set Price
6"	.312	.499	3/8	1.500	2	TG-6200F	\$ 37.77	RTG-6200A	\$ 70.22
					4	TG-6400F	\$103.34	RTG-6400A	\$ 188.89
8"	.312	.499	3/8	1.750	2	TG-8200F	\$ 45.84	RTG-8200A	\$ 95.08
					3	TG-8300F	\$ 58.45	RTG-8300A	\$ 133.24
10"	.501	.749	1/2	2.125	2	TG-1020F	\$ 41.20	RTG-1020A	\$ 124.78
					4	TG-1040F	\$ 68.32	RTG-1040A	\$ 201.29
12"	.501	.749	1/2	2.500	2.5	TG-1220F	\$ 65.50	RTG-1220A	\$ 180.77
					4	TG-1240F	\$ 92.84	RTG-1240A	\$ 302.57

\*For Pointed Soft Jaws, replace the "F" at the end of the part number with "P" and add \$3.25 per set.

## Accu-Collets ER COLLETS

**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** 0.0005" TIR or better Starting At **\$16.50** each Part # 11-0039-1.0  
**Ultra Precision** 0.0002" TIR or better Starting At **\$26.00** each Part # 11-0039-1.0UP

## BALANCED TOOLHOLDERS

**KINGSTON** BALANCED TOOLHOLDERS  
**10% OFF!**  
10 Or More Holders Mix & Match!

• **BALANCED to 15,000 RPM @ g6.3** 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, chatter & extended tool life.

**PRICES REDUCED UP TO 50%!**  
**END MILL HOLDERS** Prices Starting At **\$48.95** each Part # C40-371000-K  
**ER COLLET CHUCKS** Prices Starting At **\$74.95** each Part # C40-100R200-K

## SHARK JAWS HARD 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 scale material  
• Black oxide for long life  
• 2 steps (1 step also available)

Chuck Model	Chuck Dia	Part Number	Price Per Set
B-206, HS06	6"	KT-60HJ2	\$328.76
B-208, HS08	8"	KT-80HJ2	\$388.96
B-210, HS10	10"	KT-100HJ2	\$483.06
B-12, HS12	12"	KT-120HJ2	\$509.09
B-212, HS12	12"	KT-128HJ2	\$509.09

## RETENTION KNOBS

Your VALUABLE Machine Deserves A Premium Knob!  
**USST** **MADE IN USA**  
QUANTITY DISCOUNTS **10% OFF!** 10 or more knobs  
• Individually Magnetic Particle Tested  
• Made in the USA!  
• Large Variety of CAT & BT Tapers  
• Made of 6620, Heat Treated to Rc 58/58  
• Exceeds Industry Standards For Tolerance (ANSI, DIN, JMTBA)

Machine	Thread	Head Dia	Angle	Coolant	Part Number	Price EA
Fadal BT40	M16-2.0	.740	90°	No	B40-4501S	\$ 16.88
HAAS BT40	M16-2.0	.590	45°	Yes	B40-4500H	\$ 21.71
HAAS CAT40	5/8-11	.589	45°	No	C40-4501S	\$ 16.88
Fadal CAT40	5/8-11	.740	45°	No	C40-4500S	\$ 14.48
Okuma CAT40	5/8-11	.589	60°	No	C40-6000S	\$ 16.88
Mazak CAT40	5/8-11	.740	45°	Yes	C40-4500H	\$ 15.00
Mori Seiki CAT50	1-8	.905	90°	No	C50-9000S	\$ 20.81

## SCROLL CHUCKS

3 Jaw Chuck • 2pc Master Jaw Style • SET-TRU™  
• Fine adjustment 0.0006" TIR  
• Semi-steel body  
• Two piece "master jaw" style top reversible jaws  
• Each scroll precisely balanced  
• Plain back-plates and replacement parts available

Size	Thru Hole	Max RPM	Part Number	Mfg's List	SPECIAL!
6"	1.77	3000	BI-3866-0600Z	\$ 339.00	\$ 305.10
8"	2.17	2500	BI-3866-0800Z	\$ 429.00	\$ 388.10
10"	3.15	2000	BI-3866-1000Z	\$ 639.00	\$ 575.10
12"	4.09	1500	BI-3866-1200Z	\$ 959.00	\$ 863.10
15"	5.35	1000	BI-3866-1600Z	\$ 1,359.00	\$ 1,223.10

## MACHINE VISES

**KURT** **LIFETIME WARRANTY** **IRONCLAD**  
• AngLock® design eliminates tilt or movement of moveable jaw while it is clamped  
• Permits clamping in all 4 positions  
• Flame hardened vise bed  
• Max. clamping force: 7968 lbs

**KURT D688**  
6" Vise-8.8" Opening  
Mfg's List: \$587.00  
**\$529.00** each  
Part # KURT-D688

## SAVING AMERICA'S MACHINISTS TIME & MONEY FOR OVER 20 YEARS!



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