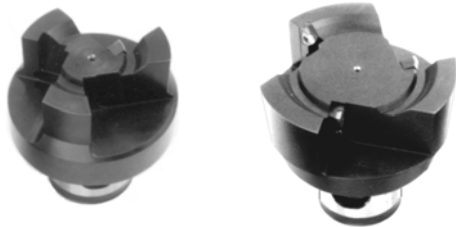


If you're ready for an endfinishing machine that's incredibly rigid, powerful and accurate, this is it. Our massive frame, high-thrust spindle and rigid hydraulic chucking assure fast, repeatable tube machining at optimum feedrates.

Rigid tool mounting is insured by the standard four (4) bolt flange mount or the optional quick-change system. Adjustable and dedicated chamfer heads hold commercial carbide inserts for lowest per-part tooling cost.

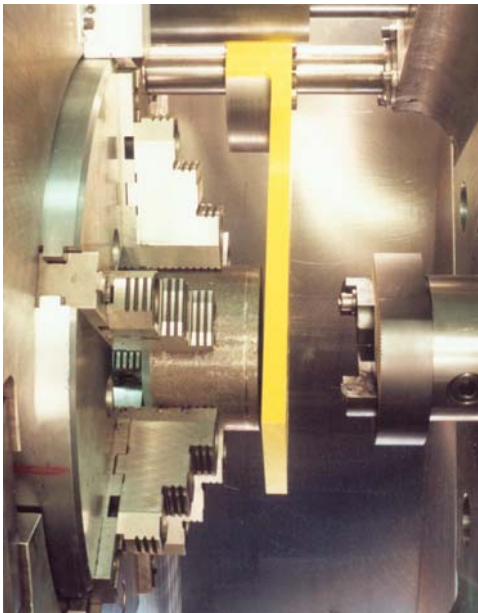


### **Servo Tool Feed**

Available as an option, this feature gives you longer tool life, optimum metal-removal rates, fastest setup and reduced cycle times. Precise feedrates and programmable chip-break function virtually eliminate "birdnest" chip buildup.

Setups can be changed "on-the-fly", and repeat jobs are easily stored in the controller.

Add our electronic variable-speed spindle drive package for even more versatility and productivity.



### **Versatile Tube Stop**

- Hydraulically powered for positive operation
- Remove a fixed amount from each tube end or face each end to control overall tube length
- Automatic stop retraction
- 100% length gauging before and after machining
- Insures easy, safe loading

### **Multi-Jaw Tube Chuck**

- Full-range jaws, no jaw change required
- Rigid, concentric workholding
- Position control eliminates adjustment time
- Large 7" through-bore
- Jaws available for tapered or shaped parts
- Adjustable gripping force



**C60 Quick-Change Tooling**

### Precision Boring Spindle

- Sealed, precision spindle bearings support heavy cutting loads
- Ball-bearing guides with zero-clearance “rolling press-fit”
- Rigid four (4) bolt flange mount
- Komet® ABS® quick-change system (optional)
- Kennametal® KM® quick-change system (optional)

### Machine Options

- CNC hydraulic servo tool feed
- Chuck position feedback and control
- Quick-change tool holder
- Quick-change chuck jaws
- Variable-speed spindle drive
- Allen-Bradley PanelView® touchscreen interface
- Outboard length stop assembly
- Chip conveyor

### Specifications

Machine Model	C30	C60
Through-bore	4.25”	7.0”
Facing repeatability	±.003”	±.003”
Spindle speed*	900/1200/1800/3600	600/900/1800
Maximum cycle rate	600/hour	400/hour
Hydraulic pump	6 GPM pressure-compensated, air-to-oil cooler	
Pump motor	5 HP	8HP
Spindle motor	5, 7, or 10 HP	30, 40 or 50 HP
Electrical supply**	480V 60HZ 30A	480V 60HZ 60A
Compressed air	80 PSI, 1 CFM	
Machine size	26"W x 52"D x 68"H	115"X 59"D x 71"H
Machine weight	2800 lbs.	11,500 lbs.

\* variable-speed optional

\*\* 240 volt optional