



- CC15 Tube Endfinishing Machine Specifications -

Cycle Time, including transfer	3-6 seconds (depending on bore depth)
Tube Diameter Range	.5" to 1.2" (12mm to 30mm)
Tooling Configuration	Quick-change tooling receiver (Komet®) OD chamfer (1 insert), ID chamfer (1 insert), face (1 insert), bore (2 inserts) Custom ground inserts for radius or dual-angle chamfers
Maximum Bore Depth	4" (100mm)
Boring Spindles	
Spindle Drive	(2) 5 HP Baldor Premium-Efficiency, inverter-duty motors
Spindle Speed	Variable 100 to 1200 RPM Motor speed controlled at PanelView
Boring Spindle	Sealed, tapered roller-bearings Closed-loop electro-hydraulic feed
Tube Clamping	Toggle-lock tube clamp Quick-change clamp inserts electronic feedback of chuck jaw position Automatic chuck jaw adjustment to programmed tube diameter
Dial Transfer	
Dial Drive	Allen-Bradley® Ultra® electric servo, SERCOS interface to Logix processor Planetary speed reducer
Tube Ejector	Hydraulic powered arms unload finished tube from dial
Dial Transfer Grippers	Fixed end of dial has hydraulic grippers to prevent tube movement during transfer. Adjustable end of dial has fixed-diameter grippers.
Tube Changeover	Replaceable dial-transfer inserts Replaceable clamp insert Adjustable gate on infeed magazine Length adjust with digital position readout
Tube Lengths	2" minimum, 36" max.
Tube Loading	Tubes are manually placed into the loading magazine. Optional hopper loaders are available
Electrical Controls	
Service requirements	480VAC 3Ø @ 60A
Control System	Allen-Bradley® ControlLogix® CF Memory card, Ethernet/IP Rack-mounted, closed-loop servo motion control modules Allen-Bradley® PanelViewPlus® ColorTouch screen Allen-Bradley® PowerFlex® variable-frequency spindle drive
Control Options	Allen-Bradley® Dial-Up Modem for remote diagnostics PanelView® with imbedded Windows CE® for scheduling and reporting Cabinet cooling

Rev. B