



Chester Flatbed Lathe • FALCON Duo



Standard Accessories:

- ✓ Fanuc Oi TF
- ✓ Manual 3-Jaw Chuck
- ✓ 4-Station Tool Post plus 2 Gang Tools
- ✓ Manual Tailstock
- ✓ Ergonomic Operator Panel Design & MPG
- ✓ Automatic Lubrication System
- ✓ Manual Tailstock
- ✓ Automatic Coolant System
- ✓ Automatic Lubricating System
- ✓ Work Lamp & Built-In Safety Features

Optional Accessories:

- ☐ Siemens 828D
- ☐ Shopturn for Siemens
- ☐ 2 Handwheels for Manual Operation "Teach In"
- ☐ Bigger Chuck Size
- ☐ Hydraulic Chuck
- ☐ 8 Station Turret (except 300 series)
- ☐ Hydraulic Tailstock
- ☐ Bar Feeder
- ☐ C Axis and Live Tooling available
- ☐ C Axis & 12 station Power Turret (500, 550, 660 series only)

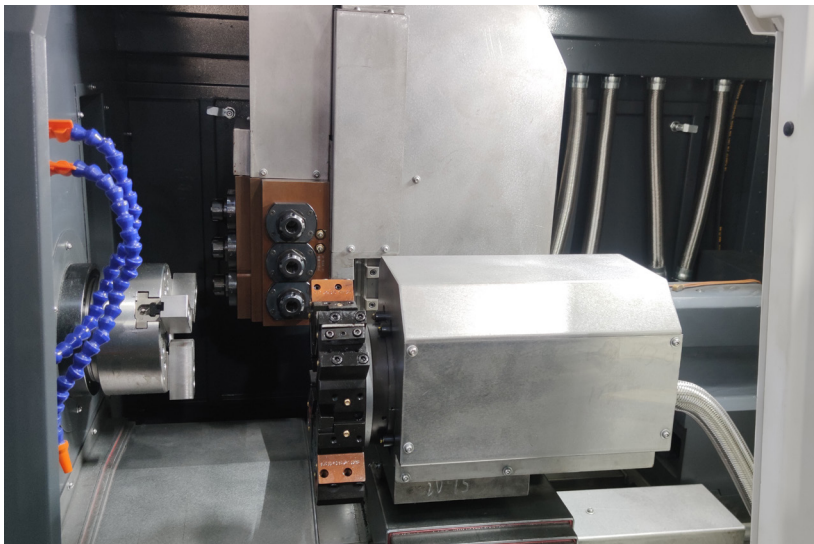


Optional Teach In Control Panel

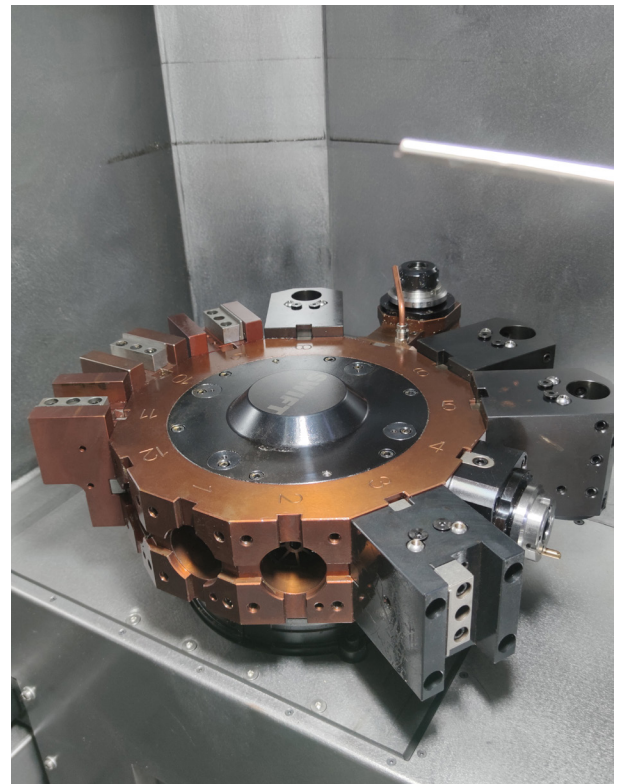


Technical Specifications

Technical Specifications	FALCON DUO 300		FALCON DUO 320		FALCON DUO 400	FALCON DUO 500		FALCON DUO 550			FALCON DUO 700
Chuck Size	6"		6"		8"	10"		12"			15"
Max.Swing Dia. over Bed	Φ300mm		Φ400mm		Φ400mm	Φ500mm		Φ550mm			Φ700mm
Max.Length of Workpiece	180mm		Collet:380mm Chuck:320mm 300mm (8station turret) (opt)		650mm (C2C) 500mm (Chuck) 450mm (turret) (opt)	700/1000/1500/2000mm (C2C) 550/850/1350/1850mm (Chuck) 450/750/1250/1750mm (turret) (opt)		700/1000/1500/2000mm (C2C) 550/850/1350/1850mm (Chuck) 450/750/1250/1750mm (turret) (opt)			1000/1500/2000mm (C2C) 800/1300/1800mm (Chuck) 700/1200/1700mm (turret) (opt)
Max.Swing Dia. over Slide	Φ135mm		Φ140mm		Φ250mm	Φ350mm		Φ350mm			Φ480mm
Spindle											
Spindle Bore	Φ48mm	Φ55mm	Φ55mm	Φ62mm (opt)	Φ62mm	Φ81mm	Φ62mm (opt)	Φ62mm	Φ105mm (opt)	Φ120mm (opt)	Φ120mm
Max Dia. of Through Hole	Φ40mm	Φ46mm	Φ46mm	Φ52mm (opt)	Φ52mm	Φ70mm	Φ52mm (opt)	Φ91mm	Φ91mm (opt)	Φ110mm (opt)	Φ110mm
Spindle Nose	A2-5	A2-5	A2-5	A2-6 (opt)	A2-6	A2-8	A2-6 (opt)	A2-11	A2-8 (opt)	A2-11 (opt)	A2-11
Spindle Speed	3000rpm (std) 4500rpm (opt)	2500rpm (std) 4500rpm (opt) 5000rpm (opt)	2500rpm (std) 4500rpm (opt) 5000rpm (opt)	2000rpm (opt) 4000rpm (opt)	2000rpm (std) 4000rpm (opt)	1600rpm (std) 2500rpm (opt)	2000rpm (opt) 4000rpm (opt)	1000rpm (std)	2000rpm (opt)	1000rpm (opt)	1000rpm (std)
Main Motor Power	3.7/5.5kw (std) 5.5/7.5kw (opt)		3.7/5.5kw (std) 5.5/7.5kw (opt)		5.5/7.5kw (std) 7.5/11kw (opt)	7.5/11kw (std) 11/15kw (opt) 15/18.5kw (opt)		11/15kw (std) 15/18.5kw (opt)			11/15kw (std) 15/18.5kw (opt)
Axis											
X/Z Travel	300/200mm		280/380mm		280/650mm	280/700mm, 1000mm, 1500mm, 2000mm		280/700mm, 1000mm, 1500mm, 2000mm			370/1000mm, 1500mm, 2000mm
X/Z Rapid Traverse	15/15mm/min (std), 25/25mm/min (opt)		25/15mm/min (std), 25/25mm/min (opt)		15/15mm/min (std), 20/20mm/min (opt)	15/15mm/min (std), 20/20mm/min (opt)		15/15mm/min (std), 20/20mm/min (opt)			15/15mm/min (std), 20/20mm/min (opt)
Toolpost											
Type	4-station toolpost					4-station toolpost					
Tailstock											
Type	12" hollow hydraulic					Manual					
Taper of Quill	MT4					MT5					
Travel of Tailstock Quill	80mm					100mm					
Structure											
Guideway	Linear Guide Way					Linear Guide Way					
Bed Width	300mm		400mm		405mm	500mm				680mm	
Weight and Dimensions											
Power Capacity	9Kva		13Kva			15Kva		18kva			
Dimensions (lwxhx)	1800x1580x1600mm		2200x1500x1600mm		2500x1400x1500mm	3200x1600x2010/2310/2810/3310mm		3200x1600x2010/2310/2810/3310mm			3400x1900x2010/2310/2810/3310mm
Weight	1800kgs		2400kgs		2800kgs	4000kgs/4300kgs/4800kgs/5300kgs		4200kgs/4500kgs/5000kgs/5300kgs			4800kgs/5600kgs/6400kgs



BPT Turret
300-400 Models only



BMT Turret
500-660 Models only