



WILLIAM COOK

Leeds plant machining capability

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Turning capability

Process	Number of Machines	Working Envelope (mm)		Maximum Load (kg)	Nominal Tolerance (+/- mm)	Maximum Spindle Speed (rpm)
		Max Swing	Max Height			
Vertical Turning	4	1600	1250	5000	0.025	300

Process	Number of Machines	Max Turning Diameter	Max Bar Diameter	Maximum Load (kg)	Nominal Tolerance (+/- mm)	Maximum Spindle Speed (rpm)
Horizontal Turning	1	410	81	260	0.01	3500

Turning Equipment
Two off Webster-Bennett VTL 48" Flexidrive
Webster-Bennett VTL 60" ERNC
Honor VL-125CM
Doosan Puma GT2600LM



Milling capability

Process	Number of Machines	Working Envelope (mm)			Maximum Load (kg)	Nominal Tolerance (+/- mm)	Maximum Spindle Speed (rpm)
		X	Y	Z			
Milling Machine Centre	9	2000	1500	1200	7000	0.025	3000
Milling (Bridge)	4	5000	3000	1000	15000	0.025	6000
Milling (Travelling Column)	1	5000	1500	1500	15000	0.025	4000
Milling (Bed)	5	3300	1100	1000	8000	0.025	3000

Milling equipment

Milling Machine Centre
3 off Correa PERFORMER 2000MG 8
Toshiba BMC-1000
3 off Toshiba BMC-630
Toshiba BMC 80E
Toshiba BMC 8B

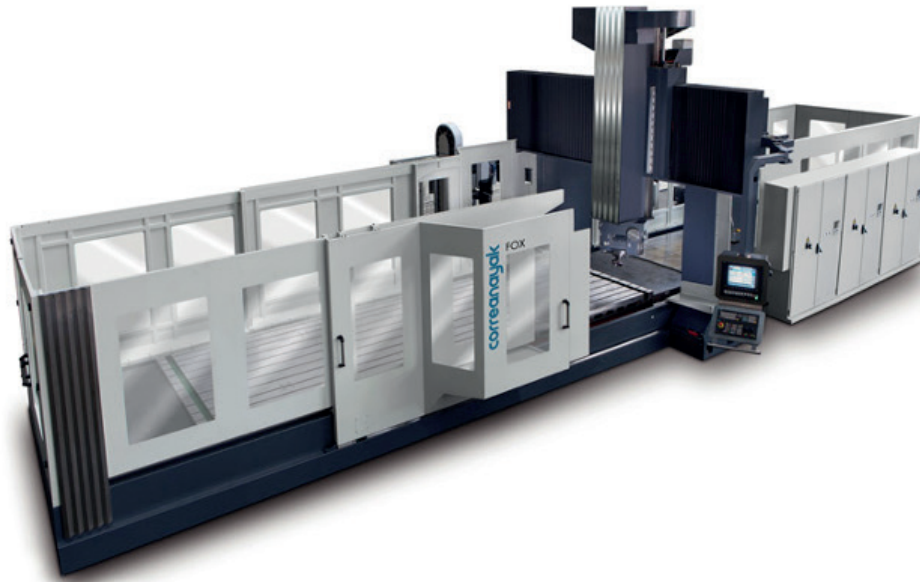
Bridge Milling
Correa FOX-50
2 off Correa FP30/30
Correa FP30/40

Travelling Column Milling
Correa HVM-50-MG

Bed Milling
Correa CF17D
Correa CF22/25
Correa A25/25
Correa A25/30
Correa A30/30

Correa FOX-50

Bridge-type milling machine



		FOX-50
Table	Surface (mm)	5500 x 2000
	Maximum load on table (kg)	15000
Traverses	Longitudinal (mm)	5000
	Cross (mm)	3000
	Vertical (mm)	1000
Work capacity	Distance between columns (mm)	2500
	Distance table-spindle (mm)	1500
Feeds	Maximum x-y-z (mm/min)	25000
Vertical spindle	Programmable speed (rpm)	Mechanical spindle: up to 6000 rpm
	Maximum power (kW)	Mechanical spindle: 37 kW
	Maximum torque (Nm)	Mechanical spindle: 1375 Nm

- In-process measurement capability using Renishaw RMP60 radio probe system
- On-machine measurement of component setting; Programs adjusted for out-of-position surfaces
- Automated measurement of proof and finished multi-axis features.

Correa FOX-50 Machining bogie frames



Correa HVM-50-MG

Travelling column milling machine



			HVM
2 x Rotary Tables	Surface (mm)		1500 x 1500
	Maximum load on table (kg)		10000
Traverses	Longitudinal (mm)		5000
	Cross (mm)		1500
	Vertical (mm)		1500
Feeds	Rapid traverses (mm/min)	x	20000
		y	20000
		z	20000
Vertical spindle	Programmable speed (rpm)		4000
	Maximum power (kW)		37
	Maximum torque (Nm)		1298

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- On-machine measurement of component setting; Programs adjusted for out-of-position surfaces
- Automated measurement of proof and finished multi-axis features.