

SCHIVO GROUP

PRECISION ENGINEERING • AEROSPACE • MEDICAL DEVICE • FABRICATION

Schivo Group Plant List

Plant Description	Details	Capacity
Class 100,000 clean room	Automated chemical cleaning facility	
Class 10,000 clean room	Assembly Facility	
Class 1,000 cleanroom	Delivery 2009	
CNC Production Machining		
QTY x 3 Mazak Horizontal Machining Centre	6 Pallett Workstation with 12,000 RPM, 80 station Toolchanger and swarf management system	600 x 600 x 610
QTY x 2 Mazak Integrex 200MSYIII	Multi Task Mill Turn Centre. 40 ATC. Can Machine in 7 Axis	580 x 160 x 1045 Max swing 660 dia.
Mazak VTC 20C Machining Centre	Long Bed with Pendulum machining option	1660 x 510 x 500
Mazak VTC 20B Machining Centres	Qty 2 Vertical Machining Centres	1100 x 510 x 500

Plant Description	Details	Capacity
Mazak VTC16A Machining Centre	Small footprint machining Centre	510 x 410 x 500
Mazak V515/40 Machining Centre	50 Taper Spindle CNC Machine fitted with a Niken 4th Axis Unit	1050 x 510 x 500
Maho 800E2 Machining Centre	Universal Machine with Horizontal and Vertical Head options	800 x 550 x 500
Maho 600E2 Machining Centre	Universal Machine with Horizontal and Vertical Head options	600 x 450 x 500
Roders HSC RFM 600 DS: HSC-Machine	Simultaneous 5 axes machining of the most complex geometry	
QTY 1 x Matsuura MAM72-25V	Vertical Machining Centre	550 x 410 x 450 (Delivery Q4 2009)
QTY 2 x Hurco VMX30T	Milling Machines	
QTY 1 x Citizen Cincom M32 Sliding Head	Sliding Head Machine	
QTY 1 x Citizen M16-V Sliding Head	Sliding Head Machine	Delivery Q4 2009
CNC Turning		
Mazak SQT15MS	Subspindle CNC Lathe with Milling capabilities	300 dia x 500
MazakSQT15M	CNC Lathe with Milling capabilities	300 dia x 500
Mazak SQT10M	CNC Lathe with Milling capabilities	230 dia x 305

Plant Description	Details	Capacity
Mazak SQT20N	CNC Lathe	230 dia x 440
Mazak SQT200	CNC Lathe	300 dia x 500
Mazak Quick Turn	Nexus 200 II MS	
Q.A. Equipment		
Brown and Sharp CMM	CNC CMM	1000 x 800 x 600
Microheight	2D Measuring Unit	550

Schivo Group Plant List Machining

Plant Description	Details	Capacity
Toolroom		
Maho Vertical CNC Milling Machines	Qty 4 off Universal CNC Milling Machines	600 x 400 x 450
Matsuura High speed Milling Machine	15,000 RPM Machine with 2 station Pallett Changer	600 x 450 x500
Matsuura High speed Milling Machine	15,000 RPM Machine with 2 station Pallett Changer and fitted with a 5 axis Niken Table	600 x 450 x500
QTY 4 x Manual Milling Machines	Qty 4 off	1000 x 300 x 400
QTY 2 x Harrison Lathes	Qty 2 off	500 dia x 1500
Jones and Shipman Surface Grinder	Surface Grinder	450 x 150 x 250
Okamoto NC Grinder	NC Grinder	600 x 400 x350
Ribon Grinder	Cylindrical Grinder	200 dia x 450

E.D.M.		
Plant Description	Details	Capacity
Soditech 535 Submerged Wire Eroder	CNC 4 axis Wire Machine with 2 micron accuracy	550 x 350 x300
Soditech 325 Submerged Wire Eroder	CNC 4 axis Wire Machine with 5 micron accuracy	325 x200 x200
Charmilles CNC EDM Machine	6 station Toolchanger CNC Sinker	1200 x800 x370
Euro Spark EDM	Manual NC EDM Machine	250 x 200 x 300
CAD/CAM Workstations		
Hypermill	5 Axis software	Dedicated 5 axis impellor machining software
Delcam CAM	Powermill 3D Software	
Solidworks CAD	2 Workstations	
AutoCad 14	2 Workstations	
Microheight	2D Measuring Unit	550

Schivo Group Plant List - Fabrication

Plant Description	Details	Capacity
CNC Punch Press	Trump TC2000 (Rotation)	Working Range: 1270mm x 1270mm, max sheet thickness: 6.40mm: Number of tool stations 9-90 (with 9x10 station multi-tool). Position accuracy +/- .10mm, repeatability +/- .03mm
CNC Punch Press	Trumph TC500 (Rotation)	Working Range: 2535mm x 1280mm (Without reposition): Max sheet thickness 8.00mm. No. of Tool stations: 17 – 102 (17 x 6 station Multi-tools) Positioning accuracy: +/- 0.10mm Repeatability: +/- 0.03mm
TRUMPF QUICKSHARP		(Tool Grinding Machine)
CNC LASER	AMADA LC1212 ALPHA III (2KW)	Working Range: 1270mm x 1270mm (Without reposition), Max Sheet Thickness: Mild Steel = 9.00mm, Stainless Steel = 9.00mm, Aluminium = 4.00mm
Powerpress		
Powerpress	Gotti 60 Ton	
Automated Power Press		Feeder and Decoiler
Welding		
Mig welders		2

Plant Description	Details	Capacity
Tig Welders		7
British Federal spot welder		50KVA
Sciaky	spot welder	266cc (Alu)
Folding		
Amada Proecam	HFE 8025	2 x (80 Ton, 2.5M)
Amada Proecam	HFB 8025	1 x (80 Ton 2.5M)
Promecam	RG2512	1 x (25 Ton, 1.25M)
Fastner Insertion		
Pemserter Series 2000		1 x Automatic Pem Insertion
Pemserter Series 2000		4 x Manual
Prima Serter		1 x prima serter
Hand Press		
Priormark Series	Series 2000	1 x Part numbering press

Plant Description	Details	Capacity
Priormark Series	Series 116M	1 x Part numbering press
Graining		
Grind Master 2000	Model GR 2100-900	1 x
Grind Master	MSB 600	1 x
Linishing		
Pedestal Belt Sanders		3 x
Hand linishers & Orbit Sanders		Numerous
Polishing Equipment		
Powder Coating		
Rail Line		20 manual
Oven	Natural Gas	Digital Time Controler
Chemical Coating/Cleaning		
Phosphate	FL102	

Plant Description	Details	Capacity
Electro- Tin Line		Soak Clean (AK90) - Electro Clean (EL131) - Micro etch (584) - Sulphuric Acid - DI. Water
Miscellaneous		
Twin Head pedestal drill		1 x
Super Brown circular saw		1 x
Rotofinish Tumbler		1 x
Éclairuilotine		1 x
Sheet Metal Rollers	Manual	2 x
Palamatic Sheet Lifter		1 x
Amada Corner Notcher		1 x
Brazing		
Oxy Accetlen Brazing		
Natural Gas Brazing		
Soldering		

Plant Description	Details	Capacity
Cable Harness		Soldering kits
Reflow soldering		
Silk screening and Bar-coding		
Assembly		
Busbar Assembly		
Enclosure build and assembly		
Electro Mechanical assembly		
Harness Build		
CAD CAM Software		
Radan 04		
Pro/E Wildfire		
Solidworks 2005		