

Tadley Engineering Limited

Plant List

CNC MACHINING CENTRES

MAZAK Integrex 200S 5th axis CNC machining & turning centre 1.1m bed, 12,000 RPM spindle

HAAS VF6D 4th axis CNC machining centre 1.8 metre bed, 10,000 RPM spindle

XYZ CNC 3-axis CNC machining centre 1 metre bed, 8,000 RPM spindle

CNC Wire eroder

All CNC machining centres are networked to the offline CAD modelling system (Solidworks and CAM works)

AMADA EML COMBINED LASER & PUNCHING MACHINE

Dual AC servo direct drive motors provide 30T of variable punching stroke.

1800 hits per minute, 45 station Z style turret

4kW laser oscillator providing high speed laser cutting.

4 station high speed tapping unit allows in cycle threading operations

2500mm x 1525mm bed sizes

AMADA VIPROS 3 23510 CNC PUNCHING MACHINE

44 Stations Accurate to 0.07mm

445 Punches per minute on an 8mm pitch

Max sheet size 5000 x 1250x3mm mild steel

30 tonnes press capacity

Brush table

Deep forming up to 20mm (up form)

Folding up to 45mm long 25mm high

AMADA TOGU

CNC Tool Grinder

PRESS BRAKES

AMADA HFE 4m bed length 220 tonnes

AMADA ITS 3m bed length 100 tonnes

AMADA HFB 3m bed length 100 tonnes

AMADA HFE 3m bed length 130 tonnes

AMADA ITS 2m bed length 50 tonnes

AMADA HFE 3m bed length 130 tonnes

METAL SHEARING

AMADA 4065 x 6mm Guillotine

AMADA 3050 x 6mm Guillotine

AMADA 2545 x 6mm Guillotine

POWER PRESSES

AMADA 45 tonne power press x 2

AMADA 60 tonne power press

AMADA 110 tonne power press
AMADA 150 tonne power press with deep drawing facility (75mm)
AMADA 150 tonne power press with robotic feed system
AMADA 200 tonne power press
AMADA 200 tonne power press with robotic feed system x 2

DECOILING & PUNCHING LINE

DECOILER

DIMECO Press Feed Line
Thickness 3mm up to 500mm
4mm up to 400mm
5mm up to 100mm
Width 500mm maximum
Coil weight 2 tonne maximum
Coil I/D 500mm +/- 50mm
Coil O/D 1450mm

POWER PRESS

AMADA TPEX 150 tonnes

INSPECTION & TEST

Mitutoyo 550 Coordinate Measuring Machine (CMM)
Mitutoyo profile projector
Mitutoyo vernier callipers and micrometer screw gauges

OTHER EQUIPMENT

AMADA Corner Notcher x 2	AMADA SP30 Punch Press x 3
PEM 6 tonne inserter	PEM 8 tonne inserter (auto)
SCAIKY Spot Welder	Mig and Tig Welders
Stud welding machines	CNC Bridgeport milling machines x 2
Tube bender	Wire eroder
CNC Colchester lathe x 2	Pillar drills
GEKA hydracrop 80/150	Box & Panel folder 1200mm long
TIME SAVER Grainer	

POWDER COATING FACILITIES

Four lines maximum length 7m, with reciprocators
Gas convected ovens
Pre-treatments: Mild steel – Iron Phosphate/ degrease
Zirconium Phosphate/ degrease
Aluminium five stage chromate conversion
Zintec and Galvanised – Mordant T Wash

CLEAN ROOM & ASSEMBLY FACILITIES

ISO level 7 clean room with ultrasonic cleaning equipment for precision machined component preparation and assembly.

FOR MORE INFORMATION PLEASE VISIT OUR WEB SITE

www.tadleyengineering.co.uk