

BASSETT GROUP LTD
 incorporating Bassett Defence Services & Rigibore Ltd

PLANT & CAPACITY

TURNING

SWEDTURN 10 CNC 220	1000 mm Between Centres 520 mm Swing Over Bed 25kW 67-1500 rpm Spindle Bore 54 mm dia
SWEDTURN 12 CNC 300	1110 mm Between Centres 580 mm Swing Over Bed 35kW 32-2000 rpm Spindle Bore 72 mm dia
SWEDTURN S CNC 300	990 mm Between Centres 390 mm Chucking 30kW 63-3000 R rpm Spindle Bore 65 mm dia
HARDINGE GT27SP Fanuc 18-T CNC	5C Spindle Configuration Gang Tooling top plate layout Spindle Bore 27mm dia 5hp / 3.7kW 60 - 6000 rpm Spindle to top plate 286mm
BIGLIA QUATTRO B42 52M Fanuc OTT CNC	Spindle Bore 43mm dia Live Tooling X=175 Y=340 Z=305 X1=132 Z1=155
BIGLIA B500S CNC Lathe with Sub Spindle	Bar Feed Capacity 50 mm
MORI-SEIKI 6L CNC LATHE FANUC 6T CNC	900 mm Between Centres 700 mm Swing Over Bed

MACHINING CENTRE/MILLING

BRIDGEPORT VMC1270 CNC VERTICAL MACHINING CENTRE WITH INTERGRATED 4 TH AXIS	25 POSITION AUTO TOOL CHANGE 'X'AXIS 1270MM 'Y'AXIS 700MM 'Z'AXIS 610MM SPINDLE SPEED 10,000 RPM
MATSURA 760 'V' CNC VERTICAL MACHINING CENTRE	25 Position Auto Tool Change 'X' Axis 760 mm 'Y' Axis 410 mm 'Z' Axis 485 mm Spindle Speed 25-4500 rpm
MORI SEIKI MV45 CMC VERTICAL MACHINING CENTRE	30 Position Auto Tool Change 'X' Axis 780 'Y' Axis 430 'Z' Axis 492 Spindle Speed 6000 rpm Full Fourth Axis Max Swing 495 mm dia
MATSUURA MAM-600 HG TWIN PALLET HORIZONTAL MACHINING CENTRE	40 Position Auto Tool Change Twin Pallets 400 x 400 mm 'X' Axis 600 mm 'Y' Axis 600 mm 'Z'Axis 625 mm 8000 R.P.M. Spindle Speed 22 kW Motor
FANUC ROBODRILL T21ID MACHINING CENTRE	21 Position Auto Change 'X' Axis 700 mm 'Y' Axis 400 mm 'z' Axis 330 mm Spindle Speed 20,000 rpm

	5.5 kW Motor
KITAMURA V300	BT35 Spindle 'X' Axis 457 mm 'Y' Axis 305 mm 'Z' Axis 405 mm 5.5kW 150-10000rpm
HERBERT DEVLIEG 2B-36	Bed 600x600mm Spindle Stroke 300 mm Spindle Speed 42-2400rpm
DAEWOO 6 AXIS MILL TURN FANUC 18iTB CONTROL	6 Axis Machining/Turning Centre Chuck Size 255mm Max workpiece length 1020mm Max bar dia both spindles 76mm Swing over bed 750mm Auto tool changer 80 tools LH Spindle (built in type) 3,500RPM 22/26kw motor B Axis 240 degrees
WFL M30 MILLTURN 7 Axis Machining/Turning Centre SINUMERIK 840C CNC	Max Turning dia. 300mm Max length 1050mm 22kW Turning 9kW Milling
TAKISAWA TMM250 TWIN SPINDLE TWIN CHUCK	Chuck size 254mm and 254mm Max Dia 350mm Max turning length 800mm Bar Dia 76.2mm and 50.8mm 15 Station 40 VDI x 2 Turrets 22 kw-4000rpm A2-6 18.5kw-4000rpm A2-6
OKK MCH 700 TWIN PALLET HORIZONTAL MACHINING CENTRE FANUC 6MB CNC	Twin Pallets 630x630mm Longitudinal Travel 1500 mm Cross Travel 800 mm Vertical Travel 800 mm 50BT Spindle 11kW Continuous Rating
THIEL MODEL 159 DUPLEX UNIVERSAL TOOLROOM MILLING MACHINE WITH 3 AXIS DRO	Swivels and Tilting Table 810X260mm Spindle Head Cross Travel 308mm 2kW 40-2000rpm
TOSS TURRET MILL	'X' Axis 600 mm 'Y' Axis 300 mm 'Z' Axis 300 mm
HITACHI-SEIKI HI-CELL 250	7 Axis Universal B Axis 15 Kw Turning Spindle .855 m between Centres Tool probing

GRINDING

STUDER S31 CYLINDRICAL GRINDER FANUC 21i-TB	Distance between centres 1000mm Work piece weight 120 KG X Max Travel 280mm Z Max Travel 1150mm Drive head 7.5Kw - 7HP Work head 1500 rpm Morse 4 4K Tailstock Morse 4
FANUC 21i-TB X ANCA SYSTEM 32CNC	Speed variable 0 - 18000 rpm Centre height 130mm Maximum length 550 mm Maximum Dia. 250mm

JONES & SHIPMAN 1052 UNIVERSAL GRINDER	External 254 mm Dia x 1270 mm lg Internal 50 mm Dia x 100 mm lg Auto Cycle Sigma Electronic Gauging
JONES & SHIPMAN 1051 CYLINDRICAL GRINDER	External 254mm Dia x 685mm 40-320 rpm 18 deg table swivel
BLOHM SIMPLEX 5 SURFACE GRINDER	Magnetic Tables 500 x 350 mm Max Table Load 450 kg
The Group has capacity for grinding and finishing internal and external diameters to 1 micron definition with the relevant electronic gauging	

BROACHING

HERBERT (EDGWICK) 1.2M HORIZONTAL BROACHING	Max Load 20t Max Keyway or A/F in Steel 75mm
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FABRICATION

AMADA LC 2415 ALPHA III 4KW LASER CUTTING MACHINE	AXIS TRAVERSE 2520X1550X300 MAX SHEET 5040X1550MM (INC 1 REPOSITION) MATERIAL THICKNESS 20 MM MILD STEEL 9 MM STAINLESS 8 MM ALUMINUM
FINN POWER TP 300 TURRET PUNCH PRESS WITH ROTARY INDEX AND SINUMERIK 3N CNC	Max Material Thickness 8 mm Max Sheet Size 1250x3000 mm Max Sheet Weight 75kg 15 Station Turret
EDWARDS PEARSON PRESS BRAKE WITH 8 AXIS CNC	Max Material Thickness 6mm Max Material Width 3.1m 150t Press
GEKA METALWORKER HYDROCROP	55 TON
LVD GUILLOTINE	Max Material Thickness 6.35mm Max Material Width 3.1m Digital Controlled Backstop Max Length 750 mm

INSPECTION EQUIPMENT

MITUTOYO EURO-C 3 AXIS C.N.C. CO-ORDINATE MEASURING MACHINE
BATY SHADOW MASTER WITH DIGITAL X AND Y AXIS
SYLVAC MEASURING UNIT WITH BORE AND CALIPER ACCESSORIES

TOOL BALANCING EQUIPMENT

HOFMANN MTB 21.2 TOOL BALANCER	Rotor weight 1 - 20 kg Rotor dia Max 250mm Rotor length Max 380mm
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