

| | | | | |
|---|---|--|---|----------------|
| FLOOR AREA | 22,000 square feet | | | |
| TRANSPORT | 2 transit pick-ups | | | |
| SECURE OUTSIDE STORAGE | 13,500 square feet | | | |
| CRANE CAPACITY | 1 x 3 ton, 2 x 5 ton (1 in fabrication shop) | | | |
| TURNING | Small | dia. 100 x 600 | Colchester | 1 off |
| | Medium | dia. 200 x 1000 | Colchester | 4 off |
| | Large | dia. 600 x 3000 | M.T.A. | 1 off |
| | Large | dia. 600 x 25000 | Dean Smith & Grace | 1 off |
| | C.N.C. | Tornado 200 | Colchester | 1 off |
| MILLING | Machine Centre | 1000 x 500 | Cincinatti | 1 off |
| | Machine Centre | 750 x 400 | Cincinatti | 1 off |
| | C.N.C. Milling M/c | 1000 x 500 | Excell | 1 off |
| | Vertical | 200 x 300 | M.T.A. | 1 off |
| | Universal/Vertical Mill | 60°/360° rotational table X axis=1500mm, Y axis=800mm Z axis=1000mm, with NC control | Wadkin | 1 off |
| | Universal Milling Machine | Table 2000mm x 600mm with DRO 1800 x 300 | Huron Ajax | 1 off 1 off |
| HORIZONTAL BORING | Kearns Richards SF 125 | 88" x 39" Table No 6 Morse Taper | | 1 off |
| | Kearns Richards TK40 | 66" x 42" Table No 6 Morse Taper | | 1 off |
| | Union 80 | 1000mm cube | | 1 off |
| | PRB | 1000mm cube | | 1 off |
| VERTICAL BORING | 60" Table | | Webster Bennett | 1 off |
| | 36" Table | | Webster Bennett | 1 off |
| | 64" Table x 25" Under Beam | Complete with electronic profiling heads & DRO | Bertheiz | 2 off |
| GRINDING | External | dia. 120 x 300 | Myford | 1 off |
| | Universal | dia. 350 x 1080 | Jones & Shipman | 2 off |
| | Plunge/External | dia. 250 x 360 | Churchill | 1 off |
| | | dia. 300 x 450 | Jones & Shipman | 1 off |
| | Surface | 600 x 200 | Jones & Shipman | 1 off |
| | | 1000 x 300 | Jones & Shipman | 1 off |
| | | 3000 x 100 | Dronfield | 1 off |
| | Internal | 600 x 320 | Heald | 1 off |
| | Tool & Cutter | | Cincinatti | 2 off |
| FABRICATION FACILITIES | Keetona Hydroform Universal Folder | | 100 x 1/4 | |
| | Universal Steel Worker | | 40 ton cropping, shearing and punching | |
| | Rolls | | 40 x 1/4 | |
| | M.M.A., M.I.G. and T.I.G. Welding | | | |
| | Rusch Band Saw | | 10"∅ capacity | |
| | Press | | 20" | |
| | Press | | 40 ton | |
| | Triumph Guillotine | | 4 x 3/8 | 1 off |
| GEAR CUTTING FACILITIES | Up to 4 MOD and 1 1/4 P. Chain | | | |
| DRILLING, SLOTTING & ASSEMBLY FACILITIES | WGW Key Seater | | Max keyway size 60mm wide x 615mm LG | |
| | Charmilles Spark Eroding Machine | | With direct spray head | |
| INSPECTION FACILITIES | Inspection and Manufacture to I.S.O. 9001/2000 (including digital height gauge) | | | |

All machines are equipped with digital readout.

Machine & Factory Capacity



C.E. EDWARDS (ENGINEERS) LTD

Leek New Road, Cobridge, Stoke-on-Trent ST6 2LD

Telephone: **01782 202400** Facsimile: **01782 262781**

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website: <http://www.ceedwards.co.uk>



TURNING CAPACITY

| MAKE | MODEL | DESCRIPTION | MAX DIA. | X. | Y. | Z. | FEATURES |
|------------|--------------|--------------|----------|------|-----|-----|-----------------|
| Niles | DLZ1000 | Centre Lathe | 1000 | 4000 | N/A | N/A | DRO |
| Niles | DLZ1000 | Centre Lathe | 1000 | 4000 | N/A | N/A | DRO + Profiling |
| Colchester | Mastiff 1400 | Centre Lathe | 500 | 3000 | N/A | N/A | DRO |
| Colchester | Mastiff 1400 | Centre Lathe | 500 | 3000 | N/A | N/A | DRO |
| Colchester | Mascott 1600 | Centre Lathe | 500 | 1500 | N/A | N/A | DRO |
| Excel | XL440 | Centre Lathe | 400 | 3500 | N/A | N/A | DRO |
| Colchester | Mastiff 1400 | Centre Lathe | 500 | 3000 | N/A | N/A | DRO |
| Colchester | Mascott 1600 | Centre Lathe | 500 | 1500 | N/A | N/A | DRO + Profiling |
| Colchester | Bantam 2000 | Centre Lathe | 200 | 700 | N/A | N/A | DRO |
| Trens | SN71C | Centre Lathe | 420 | 4000 | N/A | N/A | DRO |
| Tarnow | TUJ 630M | Centre Lathe | 630 | 4000 | N/A | N/A | DRO |

MILLING CAPACITY

| MAKE | MODEL | DESCRIPTION | X. | Y. | Z. | FEATURES |
|------------|--------------|---------------------------|------|-----|-----|--------------------|
| Centurion | X5746/2 | Universal Milling Machine | 1500 | 630 | 470 | DRO Bed 2000 x 460 |
| Excel | PKTM - 380VA | Vertical Turret Mill | 800 | 350 | 400 | DRO Bed 1370 x 250 |
| Bridgeport | BR2J | Vertical Turret Mill | 800 | 300 | 300 | DRO+Slotting Head |
| Beaver | No. 5 | Vertical Milling Mill | 1400 | 250 | 300 | DRO |

BORING CAPACITY

| MAKE | MODEL | DESCRIPTION | MAX DIA. | X. | Y. | Z. | FEATURES |
|-------------------|----------|-------------------------|----------|------|------|------|---------------------------|
| Kearns Richards | SH75 | Horizontal Borer | N/A | 1400 | 1000 | 1000 | DRO Spindle dia 75mmx500 |
| Union | BFT90/30 | Horizontal Borer | N/A | 1600 | 1250 | N/A | DRO Spindle dia 100mmx750 |
| Webster & Bennett | 48" | Vertical Boring Machine | 1600 | N/A | N/A | 800 | DRO |
| Webster & Bennett | 72" | Vertical Boring Machine | 2100 | N/A | N/A | 120 | DRO |
| Kearns Richards | SF125 | Horizontal Borer | N/A | 2400 | 1650 | 1800 | Max facing dia 1200mm |

DRILLING CAPACITY

| MAKE | MODEL | DESCRIPTION | X. | Y. | Z. | FEATURES |
|---------|-----------|---------------------|------|------|-----|-----------------------------|
| Kerry | P6 | Radial Arm | 1250 | 1500 | 300 | Table 1200 x 900 No.5 Morse |
| Csepel | RFH75 | Radial Arm | 1500 | 1500 | 500 | Table 1500 x 950 No.5 Morse |
| Pollard | 6 Spindle | Multi spindle Drill | 175 | 750 | 150 | No.3 Morse |

SLOTING CAPACITY

| MAKE | MODEL | DESCRIPTION | MAX DIA. | X | Y | STROKE |
|--------|-------|-------------|----------|---|---|--------|
| Butler | | Slotter | 1200 | | | 350 |
| Butler | | Slotter | 800 | | | 200 |
| Astra | | Slotter | 400 | | | 150 |

INSPECTION AND MANUFACTURE TO I.S.O. 9002

Machine & Factory Capacity**DENHOLM REES & O'DONNELL LTD**

110 - 116 Albany Road, Aintree, Liverpool L9 0HB

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CNC CAPACITY

| MAKE | MODEL | CONTROL | DESCRIPTION | MAX DIA. | X. | Y. | Z. | 4th AXIS | TOOLS | FEATURES |
|------------|--------------------|-------------|--------------------------------------|----------|------|-----|-----|----------|-------|-----------------------------|
| Colchester | Electronic Triumph | 20T | CNC Lathe | 30 | 100 | N/A | N/A | N/A | 1 | |
| Colchester | Electronic Mastiff | 20T | CNC Lathe | 500 | 1750 | N/A | N/A | N/A | 1 | |
| Daewoo | Lynx 220 | FANUC | CNC Lathe | 200 | 300 | N/A | N/A | N/A | 12 | |
| Daewoo | Lynx 220 | FANUC | CNC Lathe | 200 | 300 | N/A | N/A | N/A | 12 | |
| Daewoo | Puma 8 | OT | CNC Lathe | 23 | 380 | N/A | N/A | N/A | 1 | Samega6.8 Bar feed 8-45mm |
| Daewoo | Puma 10HC | OT | CNC Lathe | 350 | 550 | N/A | N/A | N/A | 1 | Tool eye |
| Daewoo | Puma 12L | OT | CNC Lathe | 350 | 1050 | N/A | N/A | N/A | 1 | Tool eye |
| Daewoo | Puma 12L | 10TF | CNC Lathe | 350 | 1050 | N/A | N/A | N/A | 10 | |
| Daewoo | Puma 240B | FOITC | CNC Lathe | 350 | 562 | N/A | N/A | N/A | 12 | 3rd AXIS power tooling |
| Daewoo | Puma 280 | FOITC + MG | CNC Lathe | 420 | 658 | N/A | N/A | N/A | 10 | 3rd AXIS power tooling |
| Daewoo | Puma 400LB | F21ITB + MG | CNC Lathe | 550 | 2000 | N/A | N/A | N/A | 10 | |
| BSA | VT 28-B | FANUC | CNC Lathe | 300 | 3000 | N/A | N/A | N/A | 12 | 3rd AXIS, Travelling steady |
| Index | GU800 | SINUMERIK | CNC Lathe | 200 | 800 | N/A | N/A | No | 16 | |
| Mazak | AJV 35-60 | M32 | Vertical Machining Centre | N/A | 1500 | 800 | 750 | No | 60 | Renishaw Probing |
| Mazak | V414 | M32B | Vertical Machining Centre | N/A | 560 | 410 | 460 | Yes | 24 | Renishaw Probing |
| Bridgeport | 1000/20 | TNC2500 | Vertical Machining Centre | N/A | 1000 | 500 | 500 | No | 20 | |
| Arrow | Sabre VMC | ACRAMATIC | Vertical Machining Centre | N/A | 2000 | 750 | 700 | No | 21 | Renishaw Probing |
| Arrow | Sabre VMC | ACRAMATIC | Vertical Machining Centre | N/A | 2000 | 750 | 700 | Yes | 21 | Renishaw Probing |
| Beaver | Parts Master | Heidenhain | Vertical Machining Centre | N/A | 500 | 400 | 400 | No | 16 | |
| Mazak | H630 | M32 | 6 Pallet Horizontal Machining Centre | N/A | 800 | 800 | 800 | No | 120 | Renishaw Probing |
| Devlieg | Microset ECO II | N/A | Tool Preset | N/A | N/A | N/A | N/A | N/A | | |

GRINDING CAPACITY

| MAKE | MODEL | CONTROL | DESCRIPTION | MAX DIA. | X. | FEATURES |
|------------|---------|---------|---------------------|----------|------|----------|
| Erfurt | SU315 | N/A | Cylindrical Grinder | 520 | 3000 | DRO |
| Cometa | HSP3000 | N/A | Cylindrical Grinder | 600 | 3000 | DRO |
| Cincinnati | | N/A | Centreless Grinder | 30 | 600 | |

LAPPING CAPACITY

| MAKE | MODEL | CONTROL | DESCRIPTION | MAX DIA. | FEATURES |
|----------|---------|---------|-----------------|----------|-----------|
| Engis | 36" | N/A | Lapping Machine | 350 | 14 Micron |
| Flexibox | 24" | N/A | Lapping Machine | 250 | 14 Micron |
| Flexibox | 14" | N/A | Lapping Machine | 200 | 3 Micron |
| Stahli | FLM 400 | N/A | Lapping Machine | 200 | 1 Micron |

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FABRICATION SHOP

| | | |
|----------------------------------|--|---|
| Coded welding | M.I.G. MMA M.I.G. SMAW | B.S.4870 ASME 9 |
| | Kingsland Morgan Rushworth LVD Kingsland Kingsland Niagra Sawmaster Startrite Startrite Weldspare Hydraulic test bed Hobart Hobart Hobart TPS Murex Kemppi Master Miller Richond Envoy Herbert Corona Collins | C.N.C. Press Brake 150 ton x 3000mm BP50/1200 Hand box pan folder 6mm thk x 3000mm long guillotine 60 tonne kingsland metal worker 35XA Metal worker 36" Powered Rollers Bandsaw vertical H200W Bandsaw horizontal HB330M Bandsaw horizontal Plasma Arc set 120 model 400 bar RC250K MIG Welder RC320K MIG Welder H1000 MIG Welder 404-2 MIG Welder Lynx 4HD 250A TIG Syncrowave 275 305 am TIG Welder Radial Arm Drill 2 Station Drill 6 Station Drill Thread-o-Matic Hydraulic Tube Bender Ø 2 NB Tube (Hand Operated) 15 tonne Hydraulic Pilot Press Large Pedestal Grinder Flat Bandfacer (Linisher) 7 bar Pneumatic Air System |
| | AJH | 1 off 2 off |
| Various other M.M.A. sets | | |
| Coating Facility | 4m Wet Back Wall Extraction System in the Spray Department | |
| Handling | Overhead Cranes 3 ton Capacity - Semi Goliath 3 ton Fork Lift Trucks Hagglunds | 2 off 2 off Manipulator 1 off |
| Floor Area | 15,000 sq ft Work Area | |
| Inspection Facilities | Manufacture and Inspection Facility to I.S.O. 9002 | |

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