



PRECISION MACHINING

TURNING, MILLING, DRILLING, TAPPING, SAWING, WELDING, PAINTING, ANODISING



HNL Precision Machining, a division of HNL Engineering Ltd, specialise in the manufacture of high quality precision components.

HNL has been producing high quality components since 1966 and has operated a formal quality system since 1983. This system was accredited to BS 5750 Part 1 in 1989 and has latterly been upgraded to ISO 9001:2000.

Based in Teesside, HNL is equipped with both state of the art CNC and conventional machines thereby allowing for a flexible approach to your requirements. A capacity list is provided on the rear of this leaflet.

Commonly supplied materials are stainless steel and aluminium but a wide variety of ferrous, non-ferrous and exotic materials may also be supplied.

HNL specialise in small to medium batch sizes but will undertake one-off special projects and high volume batch production runs to suit your requirements.

As part of the HNL Engineering group, a full range of support facilities may also be supplied to enhance our precision machining. These include:-

- Traceability - all manufacturing is covered by the registered ISO 9001:2000 Quality Assurance system that will provide for material traceability and certification if required.
- CAD - work is undertaken using AutoCad LT: 2002.
- Design capability - experience in excess of forty years of in-house design capability associated with precision components and complete instrumentation products and systems is available.
- Assembly facilities - the Instruments & Controls Division can offer facilities which should provide for any assembly requirements you may have.
- Specialist welding - a specialist micro-tig welding machine is available in-house to provide the facility of fine welding of circular sections up to 140mm Ø. This facility is particularly suitable for welding thin section material.
- Painting - in-house facilities are available to provide stoved enamel painting but other paint finishes may be provided to meet your requirements.
- Anodising and Plating - available via current suppliers to our other Divisions.

Where possible, HNL like to offer their clients a "one stop shop" facility so please contact us to see if we can meet your requirements.



MANUFACTURING IN THE U.K.

QUALITY ASSURANCE
BS EN ISO 9001:2000



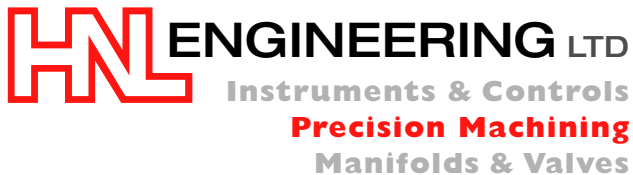
CONTACT HNL SALES SUPPORT ON 01642 765553

DATA SHEET TD PM/A



PRECISION MACHINING CAPACITY LIST

Machining Centres	CNC Vertical	- Table 914 x 460, Z axis 460 20 station tool carousel
	CNC Vertical	- Table 700 x 520, Z axis 510 21 station tool carousel
Turning	CNC Turning Centre	- Bar/chucking lathe, Hydraulic bar feed, 65mm bar capacity, 250mm chucking capacity and 12 station tool turret
	CNC Lathe	- Chucking lathe with 8 station tool turret and 250mm chucking capacity
	CNC Lathe	- Bar/chucking lathe, mechanical bar feed, 42mm bar capacity, and 8 station tool turret
	Centre Lathes	- 2 x 500mm swing (Gap bed) x 1250 B.C.
	Sliding Head	- 1 x 7mm diameter x 50mm long 2 x 10mm diameter x 50mm long
Milling	CNC Vertical	- Table 864 x 318, Z axis 127
	Universal	- Table 1250 x 335, Z axis 440
Drilling	Various additional drilling capacity to compliment the versatility of the machining centres	
Sawing	Horizontal Band	- Up to 250mm capacity
	Vertical Band	- Up to 450mm throat
	Circular	- Up to 125mm diameter



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HNL Engineering Ltd comprises three Divisions offering a wide range of products & services which includes:

Instruments & Controls

Pressure, DP and Temperature Switches & Transmitters. Rotary and linear positioners. Flow regulators & Bubblers. Control Systems.

Precision Machining

Turning, Milling, Drilling, Tapping, Sawing, Welding, Painting, Anodising. From small to large batch sizes in a wide range of materials.

Manifolds & Valves

Wide range of distribution manifolds in both anodised aluminium and stainless steel. Stainless steel ball valves.

The information contained in this data sheet may be changed without notice.