



# PENTA PRECISION

We **Communicate** well

We take **Care**

We are **Consistent**

Get in touch to discuss how Penta can help you with your machining requirements.

023 9266 8334

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Unit 9  
Murrills Industrial Estate  
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# ABOUT US

We're an ISO9001:2015 quality assured precision machining company serving clients across the UK. We have built an impressive reputation as a trusted and reliable supplier of exceptional quality machined parts.

With our commitment to excellence, we have customers in a variety of industry sectors.

Our service includes:

- Prototype, one-off and batch production quantities of CNC milled and turned parts
- Machining drawing service
- Finishing processes one-stop shop

People turn to us when they are tired of poor delivery, quality and communication elsewhere.

We listened to our customers and produced the 3 Cs, our framework for delivering outstanding customer service:

- We COMMUNICATE well with customers
- We take CARE with the projects placed with us
- We are CONSISTENT in our service delivery

If you would like to discuss how Penta can ensure security in your supply chain, give us a call on 023 9266 8334.

# QUOTE PROCESS

Our quoting process differs from that of our competitors. All of our Estimators are 'time served' machinists who view each job with years of experience, ensuring quotes that are as accurate as possible.

So what happens once you submit a request to quote to us?



# MATERIALS

We are able to machine a considerable number of metals and have specialist capabilities with engineering plastics.

The materials we most regularly machine are:

## Aluminium

- 2014A / L93 / L157 / L168
- 7075 / L95
- 6082 / L111 / L113 / L114 / L115
- 5083
- 6061
- 6063
- Cast Tooling Plate
- Rolled Tooling Plate
- 1100
- 5251
- M82
- 2024

## Engineering Plastics

- ABS
- Delrin
- PEEK
- Polycarbonate
- Polypropylene
- PVC
- Acetal / POM
- Nylon
- PEI / Ultem
- Polyethylene / PE / LDPE / HDPE / UHMWPE
- PPS
- PTFE / Teflon
- PVDF
- PSU / Polysulfone
- Polyimide / Vespel / PI
- PET / Polyester / Ertalyte
- PAI
- Acrylic / Perspex

## Stainless Steel

- 316 / 316L
- 17-4 PH
- 304 / 304L
- 440C
- 303
- 15-4 PH
- 420

## Brass

- CZ121
- CW606N
- CZ131
- Naval Brass CZ112
- CZ108
- Naval Brass CW712R
- CZ122

## Bronze

- Aluminium Bronze / CA104
- Phosphor Bronze / PB102 & PB104

## Copper

- C101 / CW004A

## Titanium

- T2 / Titanium CP3
- T5 / Titanium 6Al-4V / Ti6-4

For alternative materials, or advice on material selection, please give us a call.

# MANUFACTURING

We offer a complete manufacturing service, from machining design advice, through to machining, finishing and inspection.

We have a range of CNC lathes and milling machines, including 5-axis milling capability and unmanned, fully automated production.

## Milling



### Doosan machines

Milling max size: (Allowances need to be made for tools)  
X travel = 1000mm, Y travel = 475mm, Z travel = 550mm  
X travel = 760mm, Y travel = 600mm, Z travel = 550mm



### Matsuura MAM 72-35Vs

Milling max size:  $\text{Ø}350\text{mm} \times 300\text{mm}$  height  
32 pallets, 240 cutting tools, 24/7 machining capability

## Turning



### CMZ Lathes

Turning max size:  
 $\text{Ø}260\text{mm}$  Billet  $\times 550\text{mm}$  length  
Bar feed =  $\text{Ø}3''$  ( $\text{Ø}76.2\text{mm}$ )  $\times 300\text{mm}$

# LEAD TIMES

Our lead times vary depending on workload.

Typically our lead time is between 4 and 6 weeks.

To reduce lead times, we can offer call off orders or Kanban orders.

Penta will hold stock allowing a 24/48 hour lead time for repeat components.

# OUR SERVICES

As well as a first class CNC milling and CNC turning service, we are also able to offer the following to help streamline your supply chain:

- Machining drawing service
- Machining design advice
- One stop shop for finishing processes including plating, bead blasting, painting and part marking
- Insert installation

**Please call us to discuss how we can meet your requirements.**

# WHY PENTA?

By talking to our customers about what is most important to them in a precision machining service, we have developed a winning formula in offering a service that far exceeds that of our competitors.

We call this our '3 Cs'. These are 3 key elements that run through the core of our business and staff at every level:

- We **communicate** well with customers
- We take **care** of the projects placed with us
- We are **consistent** in our service delivery

## Communication

- Excellent communication at every stage, from quoting to delivery.
- On the rare occasions when issues arise, we will keep you informed to help you manage your team and resources.
- We always welcome feedback and strive for ongoing improvement.

## Care

- We are thorough and meticulous in our quoting, machining, inspection, and dispatch processes.
- To ensure knowledge retention and uphold quality standards, we only employ permanent staff.
- Our rigorous quality management system is supported by dedicated inspectors.
- We are accredited to ISO 9001:2015, and the certificate is available upon request.

## Consistency

- We have clearly defined and documented our internal process management.
- There is a standardized way of working at all stages.
- We build trust with our customers, who return to us time and again.

# TESTIMONIALS



"I would highly recommend Penta Precision in whole, not only the product quality is consistently outstanding and the pricing competitive, but also the service is excellent. Whether it is design support, quick pricing, or a deadline to meet, Penta's team jump in and fulfil our business needs."

**Agnieszka - Assistant Buyer**  
**Electronics OEM**



"Penta Precision is a very professional and helpful company, turning out very good quality work."

**Jon - Production & Materials Planning**  
**Communications Equipment**



"I'm very happy with the ongoing service and support that Penta offer us and still consider you as one of our most valued suppliers."

**Mark - Sourcing Specialist**  
**Robotics**



"We have selected Penta Precision to supply many of our machine components over the years and have always found their quality and delivery to be top class. In today's cut-throat manufacturing market, Penta have proved they are competitive even when up against competition from the Far East."

**Malcolm - Director**  
**Electronics Machinery and Equipment Industry**



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