

# Let the part choose the process

Additive manufacturing and CNC machining on one platform,  
for aerospace and defence, medical technology, and industrial  
equipment and robotics.

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# ONE PLATFORM, TWO MANUFACTURING ROUTES

Most suppliers make you commit to a process before the design is finished, so the process ends up dictating the part, and often the wrong process wins because it was the one already in the supply chain. Shapeways runs both, so the decision happens where it belongs: at part level, on the merits, late enough to be right.

CHOOSE ADDITIVE WHEN

Geometry is the hard part

Internal channels or lattices a cutter cannot reach

Consolidating an assembly into one component

Ten design iterations before you need ten parts

CHOOSE CNC WHEN

Tolerance & material are hard

Certified wrought stock with known, isotropic properties

Fits, bearing seats and sealing faces held tight

Threads cut to gauge, and a finish out of the box

USE BOTH WHEN

The part has both kinds

Print the complex body, machine the critical interfaces

Machine the part while printed fixtures hold it

Bridge with printed parts while the machined design qualifies

| PROCESSES |                                                                 |                                                                                  |
|-----------|-----------------------------------------------------------------|----------------------------------------------------------------------------------|
| Additive  | SLS · MJF · SAF · SLA · FDM · Material Jetting · Binder Jetting | 90+ materials and finishes — PA11, PA12, PA12-CF, TPU, PP, PC, Ultem 9085        |
| CNC       | 3-axis and 5-axis milling · turning · precision drilling        | Aluminum 5083/6082/7075 · stainless 304/316L · POM-C · anodise · RAL powder coat |

Alongside both: injection moulding, assembly, heat-set inserts, spray painting, vapour smoothing, first article inspection and whitelabel shipping, with no minimum order quantity on either process.

# BUILT FOR HARDWARE THAT HAS TO WORK

Three sectors where the distance between a design that works and a part that ships is widest.

## AEROSPACE AND DEFENCE

### Low volume, high consequence

Qualified parts in tens, not thousands.

- Brackets and housings in 7075 and 6082
- Flame-retardant Ultem 9085 components
- Ground support equipment and spares

## MEDICAL TECHNOLOGY

### Iterate fast, then hold it steady

Bench prototype to a documented, repeatable build.

- Instrument housings in 316L and POM-C
- Low-volume runs with first article inspection
- Trays, guides and fixtures

## INDUSTRIAL EQUIPMENT AND ROBOTICS

### From one arm, to a fleet

Rich in ideas and software, lighter on production.

- End-effectors printed light, machined where it counts
- Actuator housings and precision brackets
- POM-C bearings, gears and wear parts

**Unbeatable at n=10,000.**

## WHAT THESE THREE HAVE IN COMMON

Small batches that genuinely have to perform, from teams under time pressure, where a supplier who cannot keep up costs programme delay, not unit price.  
ISO 9001:2015 and ISO 14001:2015 certified · Member of NIDV · No minimum order quantity on either process.

# Enabling Next Gen Hardware

Our ambition is to be the turnkey manufacturing partner for the next generation of devices, carrying a design from optimisation and prototyping through production and lifecycle support, without the handoffs that slow hardware teams down.

■ **Process-agnostic by design**

The right process chosen per part, not per supplier relationship.

■ **Agile for R&D, robust for production**

The same partner from first iteration to sustained volume.

■ **Built on precision**

Our new Eindhoven facility sits on a vibration-free floor engineered for micron-precision work.

**24M+**

parts manufactured

**180+**

countries shipped to

**12**

additive technologies

**No MOQ**

on additive and CNC

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