

NORT

Components

FROM R&D TO PRODUCTION

PRECISION
COMPONENTS
FOR A TOUGHER
TOMORROW

Gear Manufacturing & Precision Components

Manufacturing partner for technically
demanding mechanical components.



IDEAS
DRAWINGS
PROTOTYPES
SERIES
PRODUCTION

For R&D and engineering teams seeking a reliable path
from drawing to prototype and series production.

ENGINEERING
MANUFACTURING
REAL SOLUTIONS

What NORT Does

NORT Components is a manufacturing partner for technically demanding mechanical components, with deep expertise in gear manufacturing. We work with R&D and engineering teams to move from drawing to prototype, pre-series and small-medium series production.

OUR PROCESS



GEAR HOUSING COMPONENT

01



HELICAL GEAR SHAFT ASSEMBLY

02

OUR VALUE



Customer R&D defines the component



NORT supports manufacturing execution



Gear-focused know-how



Agile manufacturing access in Romania

TYPICAL APPLICATIONS



e-drive



robotics



automation



motion systems



special machinery

From ideas and drawings to real components.
NORT turns engineering challenges into manufacturing solutions.

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Gear Manufacturing Expertise

Deep expertise in gear-related components for technically demanding applications. NORT supports the manufacturing path from drawing to prototype, pre-series and small-medium series production.



GEAR SHAFT COMPONENT

01



Spur, helical, pinion and gear shaft components



Module range: **0.5–6**



Gear hobbing:
DIN quality 8



Gear grinding:
DIN class 5



Gear inspection:
module **0.5–20**



From prototypes to
small-medium series



RING GEAR

02



SPUR GEAR

03



HELICAL PINION AND GEAR

04

Design and dimensional definition remain with the customer's R&D team. NORT focuses on manufacturing execution.

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FROM
DRAWING
TO REALITY

Precision Manufacturing Capabilities

Additional support for shafts, housings and other demanding mechanical parts.



MACHINED HOUSING COMPONENT

01



CNC turning



CNC milling



Swiss-type turning



Precision grinding



Shafts, housings,
turned and milled parts



General tolerances:
0.01 mm / 0.002 mm
where required



GEAR SHAFT COMPONENT

02



SHAFT AND GEAR COMPONENT

03

While gears are the core focus, NORT also supports complementary precision components that are often part of the same mechanical assembly.

How We Work

A practical bridge from R&D to production.



01
Review drawings &
requirements



02
Select the
manufacturing route



03
Coordinate prototype /
pre-series



04
Manage quality and
delivery follow-up



05
Support repeat and
series production



GEAR SHAFT COMPONENT

01



PRECISION MACHINED HOUSING

02

Working principles

- One technical interface
- Built around customer drawings and specifications
- Focus on manufacturability and execution
- Suitable for technically demanding projects
- Responsive for prototype-to-series transition

NORT does not provide gear geometry design.
Component design remains with the customer's R&D team.

NORT Components

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Have a component ready for manufacturing?

Let's discuss the drawing, quantities and timing.

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IDEAS
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NORT works with R&D and engineering teams that need a reliable manufacturing path for gear-related and precision mechanical components.



ENGINEERING MANUFACTURING
REAL SOLUTIONS

FROM
DRAWING
TO REALITY