

TER HOEK

PRECISION SOLUTIONS SINCE 1990



*TOMORROW'S INNOVATION,
TODAY'S INSPIRATION*



Working with “Big Science” organisations!?



TOMORROW'S INNOVATION,
TODAY'S INSPIRATION





TNO innovation
for life

esa

 **DEMCON**

Nikhef



SRON

Netherlands Institute for Space Research



TOMORROW'S INNOVATION,
TODAY'S INSPIRATION

**NRG
PALLAS**

Nuclear. For Life.

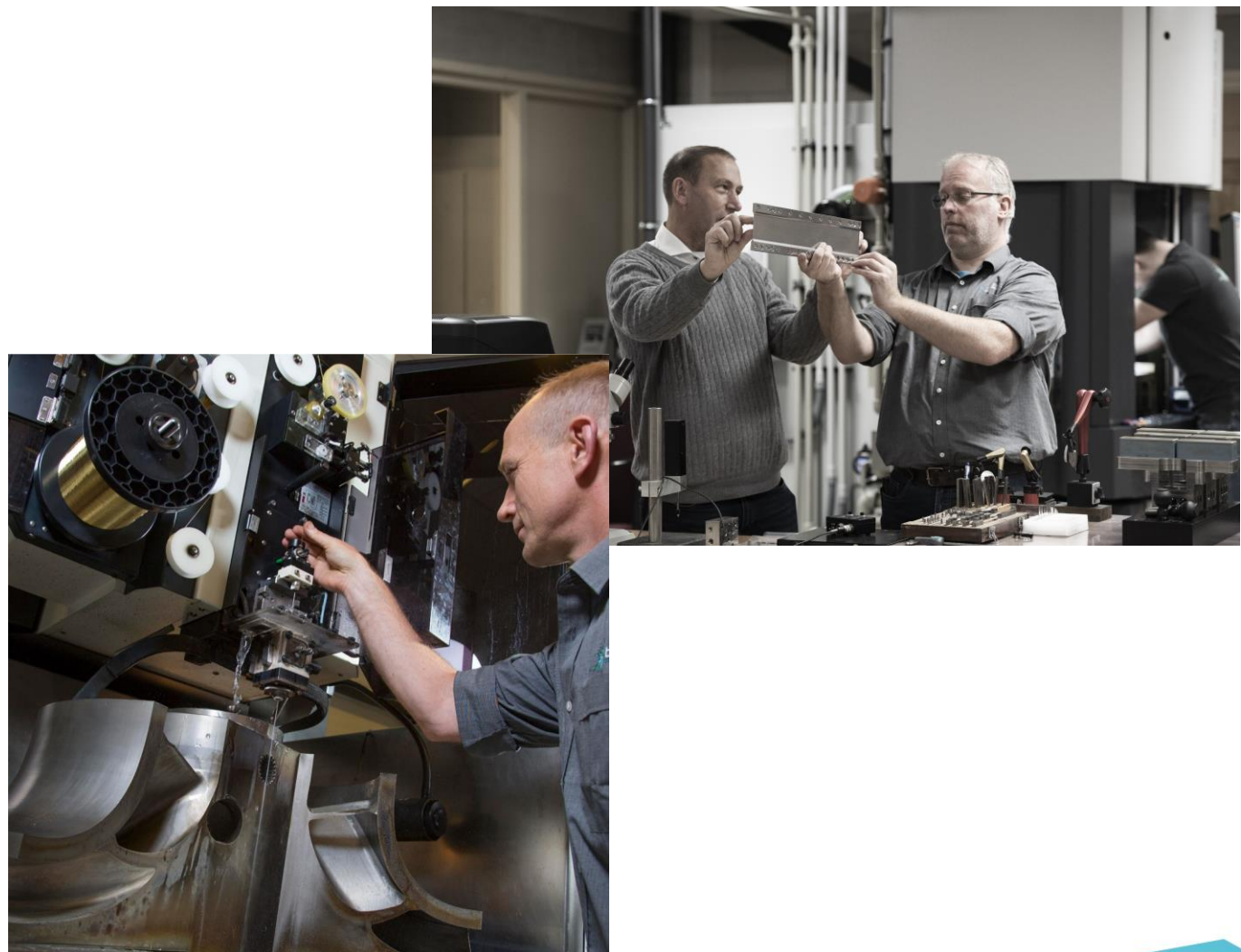




At your service are craftsmen who think outside the box and are not afraid to explore new manufacturing possibilities.

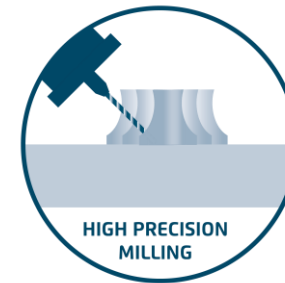
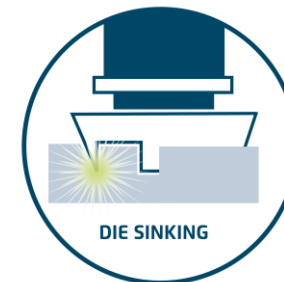
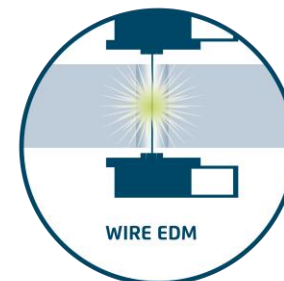
Our advanced machinery and climate-controlled production facility guarantees that each piece, regardless of its complexity, is crafted to the highest standards.

/ INNOVATION IS AT OUR CORE



Ter Hoek is your partner for precision challenges like:

- Low tolerance (1.0 micron)
- Low surface roughness (0.08 Ra)
- Difficult geometric shapes
- Hard materials
- Thermal stress
- High cleanliness standards





/ AS 9100 CERTIFICATION

With over 35 years of expertise, Ter Hoek is not just a manufacturer but your knowledge partner.

Our Aerospace grade AS9100 certification reflects our commitment to quality and reliability, providing you with the confidence that every component we deliver will meet the highest industry standards.



Thank you!



*TOMORROW'S INNOVATION,
TODAY'S INSPIRATION*

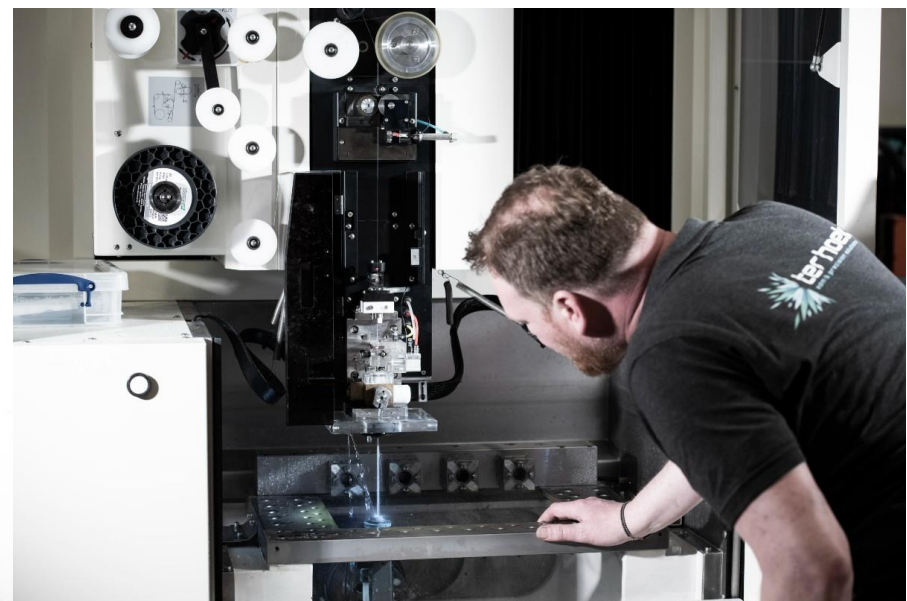
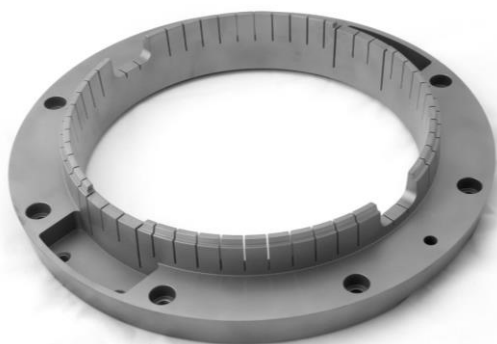


- 1990 Founded by Gerrit ter Hoek
- 1996 3 Employees
- 1999 TÜV ISO certified
- 2006 19 Employees
New facility Propaanstraat
- 2014 New technology: Laser MicroJet
- 2015 30 Employees
AS 9100 Aerospace certification
- 2016 New Technology: PECM
- 2020 Tool shop for the PECM department
- 2022 Willem Jan ter Hoek CEO
Expand to 16 wire EDM machines
Expand to 3 PECM machines
- 2023 40 Employees
Robotization wire EDM
- 2024 50 Employees
Continuous expansion of machines, new wire EDM machines en 5-axis milling centre



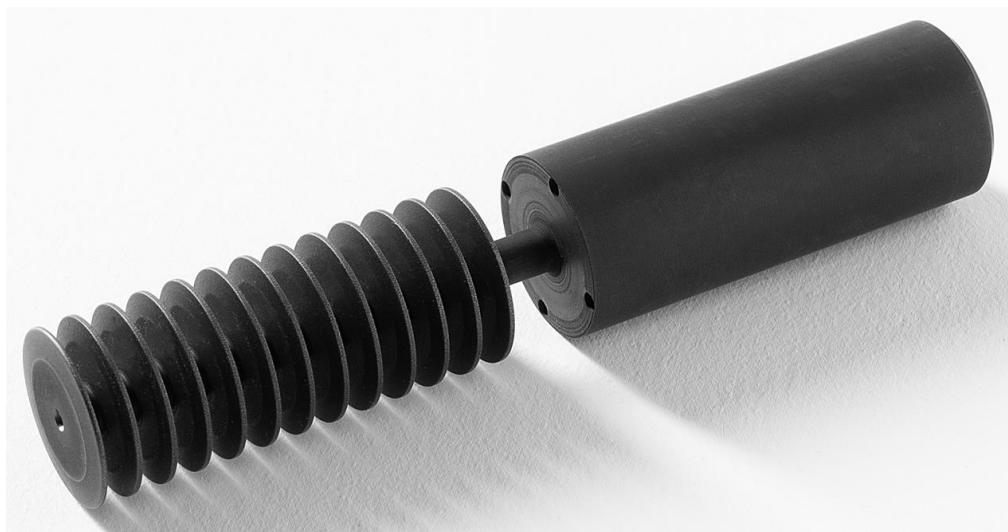
Technical specifications

Tolerance	0.001 mm
Roughness	0.08 Ra
Wire	0.02 – 0.30 mm
Travel	to 800 x 600 mm
Movement	3 and 4-axis
Height	max. 750 mm
Weight	max. 3,000 kg



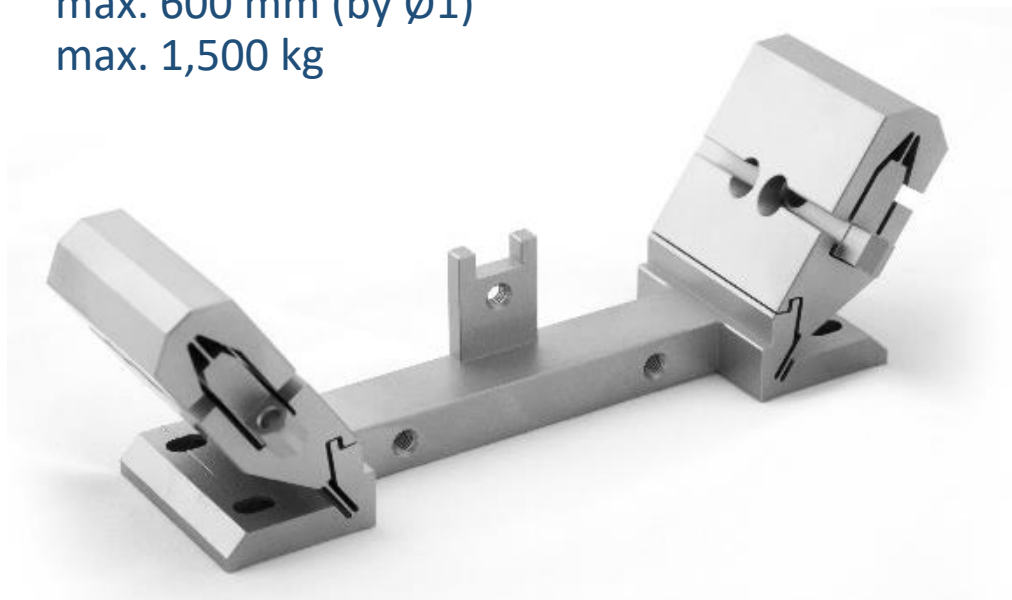
Technical specifications

Tolerance	0.005 mm
Roughness	0.15 Ra
Travel	to 2,000 x 1,500 mm
Movement	4-axis
Height	max. 600 mm
Weight	max. 4,000 kg



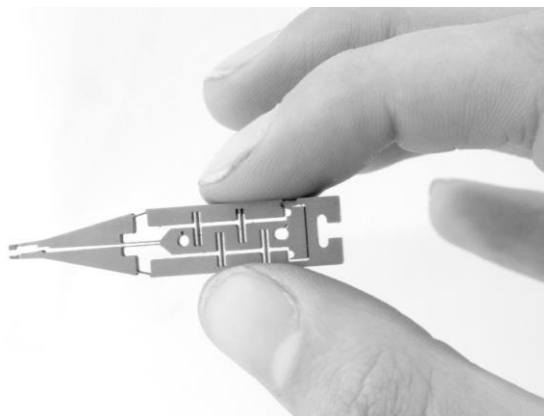
Technical specifications

Tolerance	0.05 mm
Roughness	6 Ra
Travel	to 600 x 400 mm
Height	max. 600 mm (by Ø1)
Weight	max. 1,500 kg



Technical specifications

Tolerance	0.001 mm
Roughness	0.05 Ra
Wire	0.02 – 1 mm
Travel	to 350 x 200 mm
Height	max. 225 mm
Weight	max. 50 kg



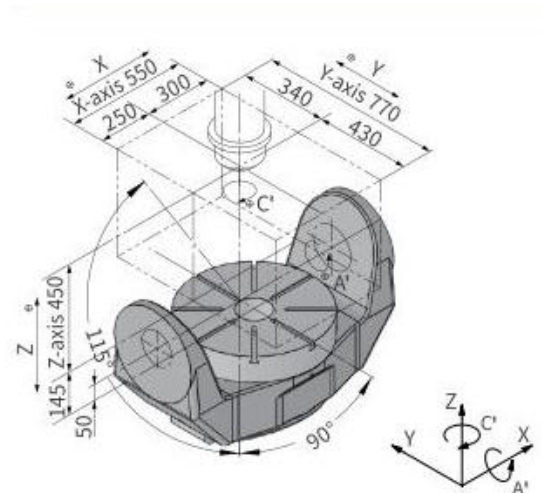
Technical specifications

Tolerance	0.003 mm
Roughness	Ra \geq 0.02 μm
Table	800 x 400 mm
Height	max. 400 mm
Area limit/run	9,600 mm ²
Max axis pressure	10,000 N
Max. machining depth	± 80 mm



Technical specifications

Tolerance	0.001 mm
Roughness	Sa <10 nm
X/Y/Z Travel	550 / 770 / 450 mm
Workpiece	max. Ø600 x 330 mm
Weight	max. 300 kg



Equipment

- 3x CMM 3D Measurement Machines
- 1x CMM Quick Vision Measurement Machine
- 2x Keyence Measurement Microscope
Type: VK-X1000
Type: VHX-5000

