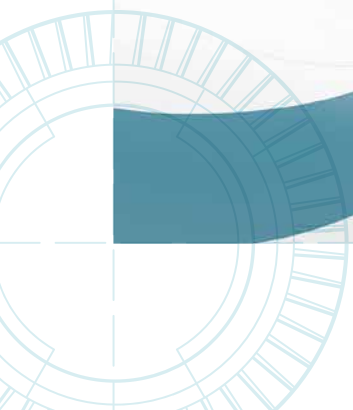


INDEX

AEROSPACE SOLUTIONS

HIGH-PRECISION, PROFITABLE MANUFACTURING SOLUTIONS
FOR THE AEROSPACE INDUSTRY



better.parts.faster.

ALWAYS THE BEST SOLUTION

SAFE AND ENTIRELY FROM A SINGLE SOURCE

Experts anticipate that the number of plane passengers will double to 7.2 billion per year by 2035.

When it comes to manufacturing aircraft and aircraft components, both the degree of innovation and the need for supplier parts are dramatically increasing. This requires efficient and high-tech production methods for complete machining with optimized costs per unit.

No matter which material, which component geometry, or which quality requirements apply—with our machine solutions and know-how you can be sure you've made the right choice. The flexible machine tools and technologies offered by INDEX are ideally suited to the production of high-precision aircraft components in areas such as turbines, landing gear, chassis, and interiors. Through a versatile range of modular configuration options, we put together the best solution for your needs, while keeping an eye on issues such as flexibility and quality.

Landing gear

High-quality machinery is essential when working with high-strength materials.



Fuel and hydraulic systems

We speak fluid! Our automatic production lathes set the benchmark here.



Tailored, economical solutions for your applications

- Comprehensive product range for many aerospace applications
- Innovative turn-mill technologies
- Effective Swiss turning technologies
- High-output multi-spindle technology
- Integrated automation solutions
- Custom complete solutions
- Comprehensive iXservices
- "Made in Germany" engineering excellence



Drive and control

Significantly reduce cycle times through INDEX process integration



Chassis and interior

High-precision, profitable manufacturing solutions for individual requirements







LANDING GEAR, FUEL AND HYDRAULIC SYSTEMS







Few industries demand as much in terms of quality and reliability as the aerospace industry. Our aerospace solutions provide our customers with the machines and services they require to achieve a sustainable and efficient production for their products. We deliver the manufacturing solution that is the best and most profitable for them. Effective, reliable, and from a single source.

Adjusting screw

-  AlCu4Mg1
-  Ø 30 mm x 120 mm
-  100 seconds
-  TRAUB TNL32
[Swiss automatic lathe]







Titanium fork

-  TiAl6V4
-  Ø 50 mm x 180 mm
-  38 minutes
-  INDEX G200
[Turn-mill center]







Eye end upper

-  X5CrNiCu15-5
-  Ø 52 mm x 220 mm
-  28 minutes
-  INDEX C200
[Automatic production lathe]







Diffuser

-  Aluminum
-  Ø 180 mm x 240 mm
-  50 minutes
-  INDEX R300
[Turn-mill center]







Injection nozzle

-  Inconel
-  Ø 60 mm x 110 mm
-  16 minutes
-  INDEX G220
[Turn-mill center]

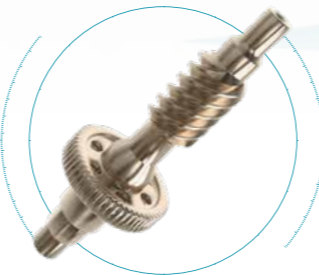
DRIVE, CONTROL, AND CHASSIS

With INDEX turning and turn-mill centers, multi-spindle, and Swiss automatic lathes, you're on the safe side. With up to four tools in simultaneous use, powerful INDEX motor milling spindles for 5-axis machining, a large tool pool in the tool magazines, and numerous configuration options for the machine and automation system, INDEX solutions leave no requirement unfulfilled.





Worm gear

-  CuZn39PB9
-  Ø 30 mm x 90 mm
-  90 seconds
-  INDEX C100

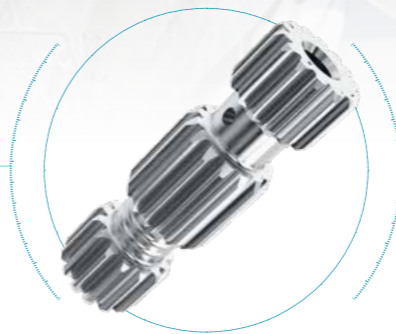
[Automatic production lathe]







Triple pinion

-  AMS6417
-  Ø 18 mm x 45 mm
-  14 minutes
-  INDEX G220

[Turn-mill center]







Output shaft

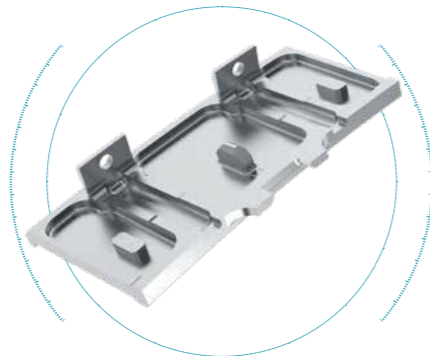
-  X8CrNi18-9
-  Ø 70 mm x 180 mm
-  23 minutes
-  INDEX G220

[Turn-mill center]







Tear-off screw

-  X8CrNi18-9
 -  Ø 22 mm x 25 mm
 -  8 seconds
 -  INDEX MS24-6
- [Multi-spindle automatic lathe]







Locking plate

-  Inconel
 -  Ø 50 mm x 32 mm
 -  18 minutes
 -  INDEX R200
- [Turn-mill center]







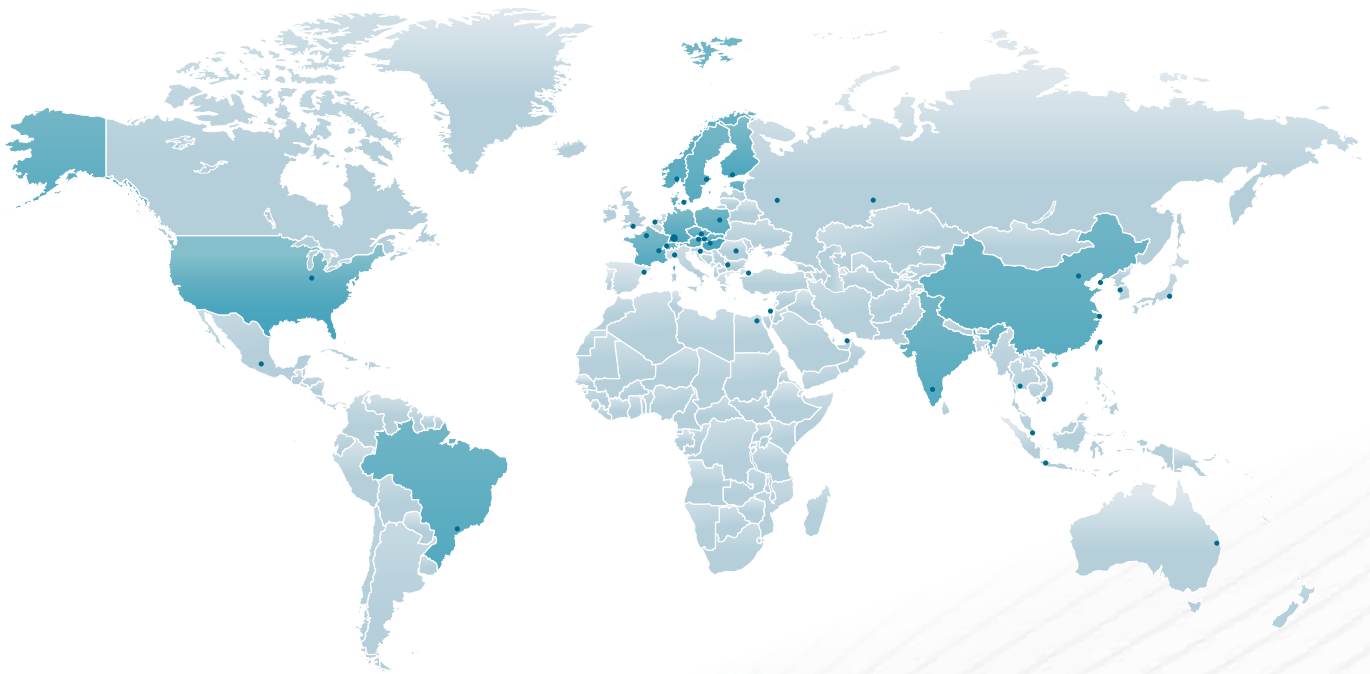
Electronic connector

-  EN AW-6082 (AlMgSi1)
 -  Ø 42 mm
 -  120 seconds
 -  INDEX C200
- [Automatic production lathe]



Turbine disk

-  X8CrNi18-9
 -  Ø 175 mm x 70.5 mm
 -  64 minutes
 -  INDEX G220
- [Turn-mill center]



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