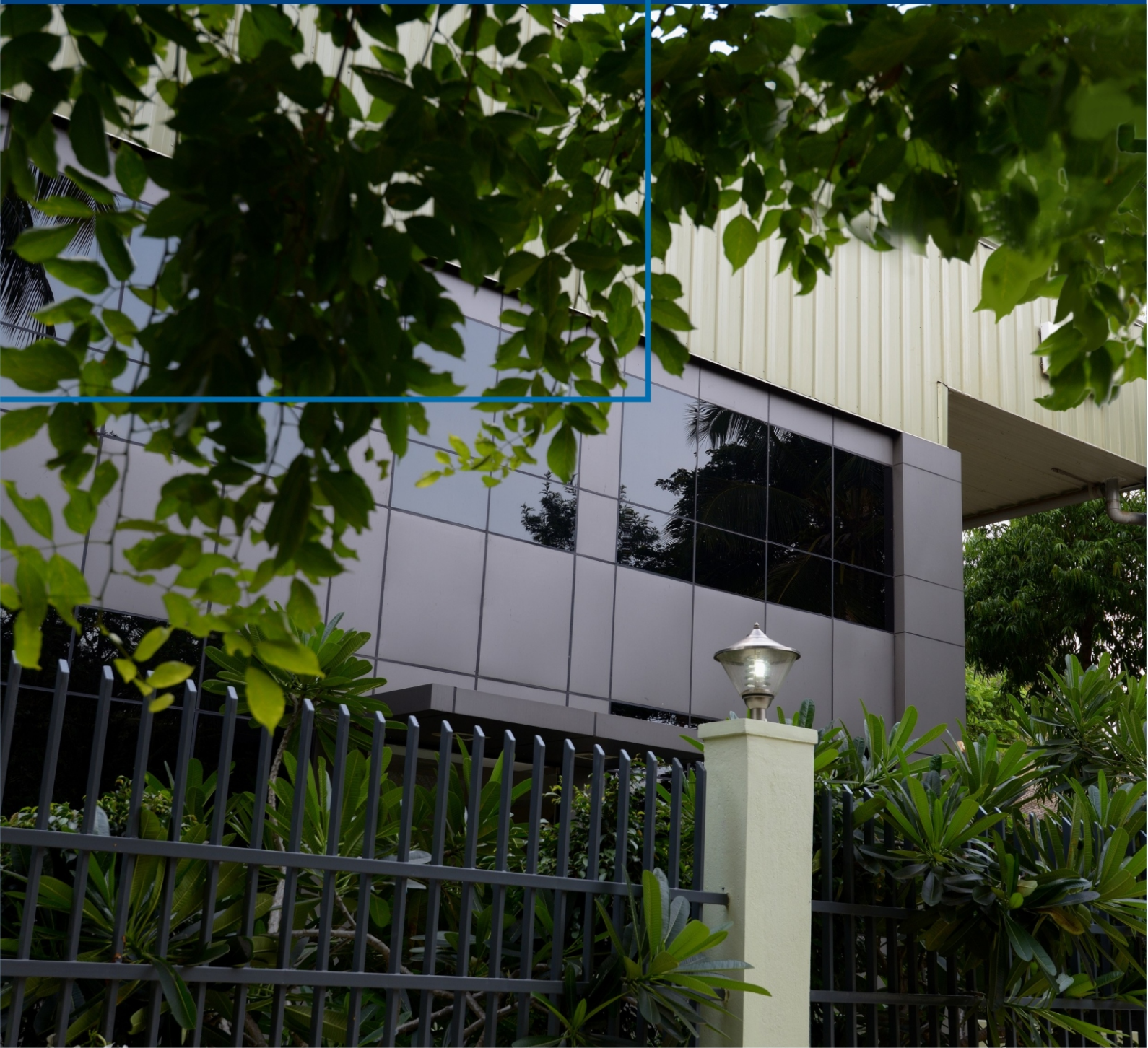


**bilz**

## High Precision Components

Customized solution tailored to  
suit your needs



The background of the entire page is a light gray, semi-transparent image of various mechanical components. In the top right, there is a vertical shaft with a flange. Below it is a large gear. To the left of the gear is a cylindrical component with a flange. In the bottom left, there is a threaded shaft. The overall theme is precision engineering and manufacturing.

# bilz

You have a special requirement for the high-precision components. We have the right solutions to your highly individual customer requirements and your industry specific requirements.

Be it aerospace, automotive, medical, display signs, sports and leisure, engineering or shipbuilding, we are always up to the challenge.

Our tried and tested technology is the basis that can be individually adjusted to meet customers' needs and demands.

We always work closely with our customers to develop customized precision components that are just perfect for your application.

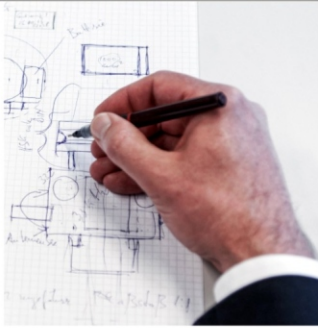
Bilz India, a subsidiary of Bilz GmbH, Germany has been manufacturing high precision products and components for the global market, using German Engineering and cost efficient methods and processes. In its existence over the past 29 years, the organization has established capabilities to satisfy the growing and competitive demands of our customers.

Customized  
precision  
components

Shafts, Spindles,  
Mandrels, Gears,  
Holders, Discs,  
Coupling,  
Adapters etc.

made  
specifically for  
you





## Control Of Design And Development

From initiation to processing and implementation, each step is reviewed, verified, validated and duly approved before an action is taken.

Review of changes in design and development also include an evaluation of the change on constituent parts and products already delivered.

We are always in control at every stage.



## Control Of Manufacturing Methods And Processes

- A highly specialized system and methods specific control system is implemented to ensure strict yet efficient production and quality control.
- Shop loading to optimize cost effective production to realize competitive services to our customers.
- Experienced personnel maximize the production of recognized quality standards.
- Customer satisfaction is our goal via targeted vendor management system.
- Quality specific controls are in place to guarantee "First Time Correct" product supply.
- First class heat treatment ensures best practice material security.



## Control Of Quality

Quality control and recognized standards are cemented in our daily routines and never left to chance.

## Dependable Logistics

High tech industries demand precise and reliable logistical supply management through internationally recognized network of professional forwarders.

Bilz is no exception with worldwide partners.

### Special Coatings

- Balinit coating
- Balitherm coating
- Baltone decorative colors
- Baliq coating
- Chrome look with EPD
- Nickel coating
- Trivalent blue
- Blackening
- Glass beading
- Micro machining
- Sand blasting
- Manganese phosphate
- Anodizing

### Machining Strength

- Turning (soft as well as hard machining)
- Milling (soft as well as hard machining)
- Cylindrical OD grinding (accuracy as close to 0.001mm)
- Internal bore grinding (accuracy as close to 0.002mm)

### Special Process

- Gear cutting
- Gear grinding (DIN 6 class)
- Spark EDM
- JIG grinding
- Polygon grinding (P4C)
- Thread grinding
- Dynamic balancing
- Laser marking

### Strengths

- Machining cylindrical parts
- Diameter 3 - 300 mm
- Length up to 500 mm

### Material Specifications

- Alloy steel (20MnCr5, SAE8620, En353,En19,En24, En36c, En8D, SAE52100)
- Specialty steel (H11,H13)
- Non-ferrous (aluminum, bronze, brass)

# control is key



A member of the Leitz Group, Bilz is the inventor of tapping technology.

A specialist in tool clamping and is a leading manufacturer of thermic clamping systems for high-speed machining in metal, wood and plastics processing.

Established in 1919.

Bilz has presence in China, France, India, UK and USA.



SHRINK-FIT MACHINE



SHRINK-FIT HOLDER

- A leading supplier of tool holders, tapping chucks/adaptors, shrink fit system and spindle parts.

- A trusted partner around the world in aerospace, automotive, die & mould machining, medical equipment and power generation industries.

- Bilz also attaches great importance to intensive application support and customer service. Many tools are tailor-made to suit the customer's customised requirements.

- Committed to a continual process of innovation, new product development and enhancement of existing product range.

- A dedicated work force of over 430 skilled and experienced technical individuals in Asia and Europe

- ISO 9001-2008 & ISO 14001-2004 certified by TÜV Rheinland



HI-POWER MILLING CHUCK



QUICK CHANGE TAPPING CHUCK



SYNCHRO TAPPING CHUCK



SLIM HI-POWER MILLING CHUCK



ER COLLET CHUCK

# Precision Tool Holding System

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