MECHANICAL and HYDRA-MECHANICAL

> CLAMPING TOOLS <

WORKHOLDING

- NEW -

> PERMAN-SYSTEM ® <
Mytec -Hydraclamp- has been dedicated to development and manufacture of high-precision clamping tools for workpiece and tool clamping since the company was founded.

Particularly mechanical and Hydra-mechanical clamping technology.

Mytec -Hydraclamp- has been known for decades in the main sectors of the tool construction, metalworking and machine building industries.

Our corporate goal is to achieve a high level of customer satisfaction through leading technical solutions and unlimited application orientation.

Constant innovation is an important success factor in this process.

Clamping tools from Mytec -Hydraclamp- are in use at well-known companies, particularly in the automotive and aircraft industry, including suppliers, machine tool and machinery building, pump manufacturers, and the electronics industry.
Corporation

Mytec -Hydraclamp- is an innovative partner of the precision industry, with the core task of satisfying today's increasing quality requirements through development and manufacturing of highly precise clamping tools for turning, hobbing, grinding, measuring and testing, and to contribute to our customer's increased competitive ability.

Talk with our engineering department when high-precision workpiece and tool clamping are involved.
SPECIAL-APPLICATION

HYDRA-MECHANICAL-EXPANDING-ARBOR
clamping dia. 72 mm

WORKPIECE:
Gear wheel

OPERATION:
- Grinding the external toothing
- Milling the external toothing

DESCRIPTION:
- Direct operating
  (hydraulic system machine)
- Runout accuracy < 0.005 mm
- High loading clearances
- Part present control (air sensing)
- Modular design, collet interchangeable
- Collet vulcanized, with hard coating
MECHANICAL >EXPANDING< CLAMPING TOOLS

MECHANICAL-EXPANDING-ARBOR

DESCRIPTION:
- Collet vulcanized, with hard coating
- Modular design, collet interchangeable
- Part present control (air sensing)
- High loading clearances
- Runout accuracy < 0.005 mm

OPERATION:
- Direct operating
- (hydraulic system machine)

WORKPIECE: Cam lobe

MECHANICAL-EXPANDING-ARBOR

clamp. dia. 24 mm

DESCRIPTION:
- Powered by a stack up of springs (integrated)
- Runout accuracy < 0.005 mm
- High loading clearances (automatic loading)
- Modular design, collet interchangeable
- Collet vulcanized, with hard coating

OPERATION:
- Grinding the external contour between centers

WORKPIECE: Cam lobe

MECHANICAL-EXPANDING-ARBOR

clamp. dia. 70 mm

DESCRIPTION:
- Power operated (drawbar)
- Runout accuracy < 0.005 mm
- High loading clearances
- Modular design, collet interchangeable
- Collet vulcanized, with hard coating

OPERATION:
- Milling the external toothing

WORKPIECE: Ring gear
**HYDRA-MECHANICAL >EXPANDING< CLAMPING TOOLS**

**MECHANICAL-FLANGED-CHUCK** clamp. dia. 185 mm

**DESCRIPTION:**
- Power operated (drawbar)
- High loading clearances
- 0.01 mm clamping repeatability
- Retractable workpiece stop
- Modular design, collet interchangeable

**OPERATION:**
- Turning the internal contour

**WORKPIECE:** Disc carrier

**HYDRA-MECHANICAL-EXPANDING-ARBOR** clamp. dia. 120 mm

**DESCRIPTION:**
- Direct operating (hydraulic system machine)
- 0.005 mm clamping repeatability
- Part present control (air sensing)
- Conical taper mechanism
- Short clamping length

**OPERATION:**
- Grinding the external contour

**WORKPIECE:** Gear wheel
HYDRA-MECHANICAL-COLLET-CHUCK
clamping dia. 72 mm

WORKPIECE:
Impeller

OPERATION:
• Milling the external contour
• Drilling the front-holes

DESCRIPTION:
• Power operated by the pull rod at the machine
• High loading clearances
• High gripping force
• Pull-back design
• Modular design, collet interchangeable
About Mytec

Mytec -Hydraclamp- has been dedicated to development and manufacture of high-precision clamping tools for workpiece and tool clamping since the company was founded. Particularly mechanical and Hydra-mechanical clamping technology. Mytec -Hydraclamp- has been known for decades in the main sectors of the tool construction, metalworking and machine building industries.

Our corporate goal is to achieve a high level of customer satisfaction through leading technical solutions and unlimited application orientation. Constant innovation is an important success factor in this process.

Clamping tools from Mytec -Hydraclamp- are in use at well-known companies, particularly in the automotive and aircraft industry, including suppliers, machine tool and machinery building, pump manufacturers, and the electronics industry.

PRODUCTS

- Mechanical expansion arbors “System Perman”
- Mechanical expansion chucks “System Perman”
- Hydraulic expansion arbors
- Hydraulic expansion chucks
- Hydraulic expansion arbors
- Hydraulic expansion chucks
  with profiled expansion sleeve
- Complete clamping fixtures including peripheral tooling
- Machine spindles with integrated hydraulic expansion technology
- Electronic clamping pressure control System “Power Control”

MYTEC

Precision Tools GmbH
Max-Braun-Strasse 1
D-97828 Marktheidenfeld - Germany
info@mytec.de

www.mytec.de

SALES + SERVICE

euro • tech
N48 W14170 Hampton Ave.
Menomonee Falls WI 53051-6907
Ph. 262.781.6777
FAX 262.781.2822
www.eurotechcorp.com