Solutions for Plastics

Feasibility studies
Product engineering
Rapid prototyping / testing
Mold design
Production concept development
Production molds
Sampling / Small series production
Implementation
Service and maintenance
Training

System Solutions

Single Face Molds

Stack Molds

Multicomponent Molds

40 years of experience
370 specialists
More than 1,500 high precision molds constantly in production around the world
männer. Solutions for plastics.
FROM CONCEPT TO PRODUCTION

MAIN INDUSTRIES: PACKAGING, MEDICAL-/PHARMACEUTICAL, ELECTRICAL/ELECTRONICS AND TELECOMMUNICATIONS

Manufacturing complex plastic products means ensuring rigorous quality standards throughout every stage of the moldmaking process. For 40 YEARS, our high-performance injection molds have continued to set NEW STANDARDS FOR TECHNICAL EXCELLENCE AND COST-EFFECTIVENESS. We specialize in high-cavitation molds for thin-wall and multicomponent molding.
From concept to final production – we take care of your product. We provide you with the support you need throughout each phase of your project. Your dedicated männer project manager ensures that you are able to obtain information when you need it.
Single face molds

HIGH CAVITATION MOLDS

männer injection molds rely on optimum mold design to ensure excellent precision, stability, and cooling. männer produces molds with up to 128 cavities for extremely short cycle times.

→ Direct feed using männer valve gate technology
→ Balanced temperature control made possible by cooling channels that closely follow the part geometry
→ Mold inserts can be replaced without additional adjustment
→ Allows closest possible positioning of injection points

Applications
Material flow with split gating

2x2 stack mold
Stack molds

EXTENSIVE EXPERIENCE AND SOPHISTICATED TECHNOLOGY

For high volume production männer stack molds with two or four parting lines are needed.

→ Cost-effective production made possible by two or four times the output quantity per injection cycle and a closing force that is only slightly greater than that of single face mold

→ Mold inserts can be replaced without additional adjustment

→ Injection points lie on a single axis

→ Over 30 years of stack mold experience
männer multicomponent molds are used for producing parts comprised of two or more different types of plastics.

→ Cost-effective production of parts with different color and material combinations using a single mold
→ High-cavitation multicomponent molds
→ Use of a wide range of technologies such as turntable, core-pulling, and transfer methods
männer Hot runner technology

Hot runner systems, complete hot halves, and temperature control systems

männer high precision molds are equipped with valve gate systems developed and manufactured by the männer hot runner technology business division operating within the männer Group.

BENEFITS:

→ Original cylindrical valve gate for maximum optical surface quality and short cycle times
→ Excellent reliability
→ Global service network

männer moldMIND®:

Know what is going on inside the mold

→ moldMIND® is a “black box” for injection molds that records and documents vital process data: number of shots and cycle time (min./max.), daily temperature peaks, downtime, and removal times
→ Provides the process documentation which can help to establish guarantee claims
«The continued investment in our employees together with state-of-the-art development and manufacturing equipment build a base for approved männer quality.»
männer know-how

EXPERIENCE, EXPERTISE, AND STATE-OF-THE-ART PRODUCTION

MÄNNER DESIGN AND PRODUCTION KNOW-HOW

Two production locations with facilities covering 22,000 square meters:

→ 3D design (30 workstations)
→ Wire and spark erosion
→ Surface, profile and jiggrinding
→ 5-axis high-speed cutting
→ männer heat treatment
→ männer polishing technology
→ männer test center
→ männer center for education and training
→ ISO 9001:2000
At the männer test center, we use state-of-the-art injection molding machines to test our systems under realistic conditions before delivery to the customer. Even during the initial stages of product development and mold design, knowledge furnished by the männer test center helps to guarantee the development of solutions that meet the specific needs of our customers. If desired, we can install the customers’ own injection molding machines at our facilities for tasks such as performing test runs, creating pilot molds, and taking initial measurements.
männer quality and service

QUALIFIED SERVICE

MÄNNER QUALITY ASSURANCE
At männer, safeguarding quality throughout all levels of production is our primary objective. State-of-the-art measuring equipment and methods ensure exceptional production quality. männer is certified to DIN EN ISO 9001:2000.

MÄNNER SERVICE TEAM
Our experienced team of specialists helps you to find fast, direct and effective solutions to your problems. We are there when you need us. You can also count on männer’s outstanding professional support during installation and start-up.
männer High Precision Molds in Bahlingen, Germany

männer Hot Runner Systems in Bahlingen, Germany

Sales and service locations world-wide

REFERENCES

AGI MEDIA PACKAGING | SANOFI AVENTIS | BAXTER | BD | BOSCH | BRAUN | CANON | CIBA VISION | CROWN ZELLER | ERICSSON | GLAXO SMITH KLINE | GARDENA | GILLETTE | GREINER BIO-ONE | JOHNSON & JOHNSON | JVC | MAXELL | NEKTAR | NINTENDO | NOKIA | NOVO NORDISK | PHILIPS | PROCTER & GAMBLE | SIEMENS | SONY | TDK | TUPPERWARE | UNILEVER
For 40 years, the männer name has stood for reliability, precision, and sophisticated technology. What was once a small, family-run operation has grown to become a successful enterprise with operations spanning the globe. While over the years the scope of the business has changed, the love of technology and perfection has remained strong throughout the generations.

**HISTORY**

1965 Founding of männer High Precision Molds in Bahlingen, Germany
1995 männer Hot Runner Systems becomes an independently operating division
1999 High Precision Molds / Au, Switzerland
2001 Otto Männer Holding AG
2004 Expansion of facilities in Bahlingen, Germany

**EMPLOYEES**
370

**FACILITY SIZE**
Over 22,000 sqm

**MAIN INDUSTRIES**
Packaging, medical/pharmaceutical, electrical/electronics, telecommunications