



## Application

The BERG AS-Interface clamping and chucking systems are intended for clamping various tools/dies on press slides and black holders, and for sliding table clamping and gripper rail couplings on multiple die presses. They are used on new machines and for retrofitting automatic clamping systems in existing press lines.

## Design Features

With the introduction of BUS systems in forming technology / quick die changing systems, it seemed logical to operate new clamping systems with a BUS system. Following the current trend, BERG Spanntechnik have developed BUS compatible clamping systems based on AS-Interface with a logic module, which have already been proven in practice, features the following advantages:

- Connection to all well-known PLC control systems and industrial PCs via industrially available AS-I-Master
- Connection to higher ranking field-buses by means of industrially available link modules
- Simple commissioning (start-up) due to integrated logic module and auto-configuration of the AS-I BUS
- Programmers do not require any detailed knowledge of the clamping system functions
- Integrated rotary field control prevents malfunctions
- Minimum installation and commissioning times
- High availability of all clamping elements and targeted error detection by a electronic diagnosis program
- Simple replacement of a clamping system due to automatic address programming
- EMC certified
- Simple retrofitting of forming machines / press clamping systems
- Minimum cable expenditure
- Minimum space required for external hardware in the switch cabinet
- Extremely low costs for external hardware in the switch cabinet
- Standardized signal exchange allows for the use of different clamping and chucking systems
- Maintenance-free due to full electronics