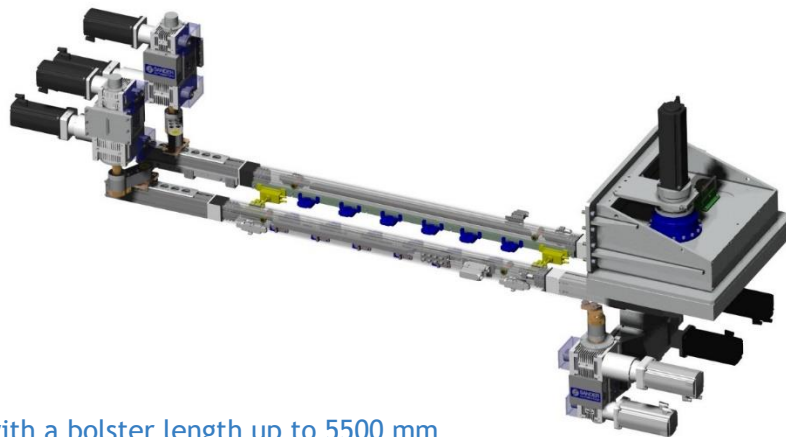# NC-Transfer ZHGV series (patented)

Application

- Large presses with a bolster length up to 5500 mm
- Gripper rail profiles up to 200 mm x 200 mm
- Retrofitting on all types of presses are possible
- Available in 2D or 3D version

Operating Modes

- Safe setup mode
- Test mode
- Automatic mode (2D/3D)
- Controlled single stroke mode
- Feeder mode
- Operation with open safety door and safe controls
- Optimized positioning mode using spring-loaded grippers

Options

- 45-step part control with a variety of additional functionalities
- 32-step cam control with free programmable inputs & outputs
- Retract functionality for press

Advantages

- High transport quality through
  - o Drives with controlled vibration compensation
- Maximum throughput due to
  - o Stroke optimization software
  - o Synchronization monitoring
  - o Smaller rail profiles
- High availability due to
  - o Mechanical and electrical overload couplings
- Very flexible in use due to
  - o Free programmable movements
  - o „Recipe"-memory
  - o Integrated access management
  - o 15" Touchscreen
  - o Easy integration through Bus systems & OPC-UA Interface
- Low maintenance due to
  - o Maintenance alerts
  - o Fully automatic central lubrication
  - o Standard components (Bosch-Rexroth, Beckhoff)

Technical data

System Size		ZHGV200	ZHGV450	ZHGV650	ZHGV1000
Transfer stroke	(mm)	0 – 500	0 – 750	0 – 1000	0 – 1000
Grip stroke	(mm)	0 – 120	0 – 150	0 – 250	0 – 250
Lift stroke	(mm)	0 – 80	0 – 150	0 – 200	0 – 200
Gripper & part weight	(kg)	60	100	200	200
Clamping force	(N)	2500	4000	8000	8000
Gripper rail opening	(mm)	270 – 500	270 – 750	350 – 1000	350 – 1000
Stroke rate*	(^{1}/min)	150	100	50	50

*The stroke rates shown are standard values and depends on moving mass, paths and movement angle.