



## VISIO Precision - Drive

For regulated and controlled movements and positions in the valve gate process

- Variably adjustable end positions
- Flexibly regulated closing speeds
- Quality assurance of the entire valve gate process

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HOT RUNNER SYSTEMS

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## VISIO-NV-Drive System:

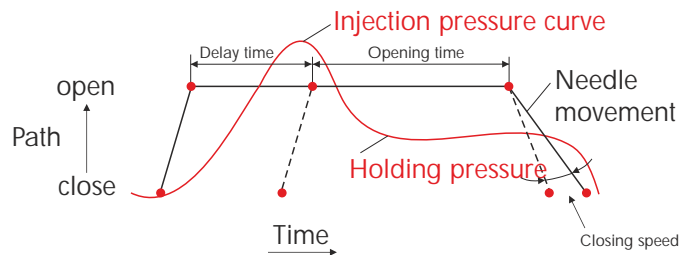
Drive unit consisting of:

- Electric force transmitter – Visio Linear Drive
- NV controller – Visio Drive Control
- Adapter cable – Visio Cable Set

### System Advantages:

- End positions flexibly adjustable down to 1/100 mm
- Variable, regulated closing speed
- Calibration of the moving parts at start-up by reference run
- Controlled reproduction of valve gate cycles
- Tool protection by adjustable maximum powers
- Electrical Nozzlecalibration with position indicator
- Low-cost and robust control of multiple needles by one drive unit
- Modularly deployable nest series drives

### Example for Visio - Drive Control



## VISIO Drive Control - Typ 63.201.01

### Valve gate – drive controller

#### Features of the drive controller

- Positional transitions are precisely regulated and controlled according to selected velocity curves
- Delay and opening times adjustable by 1 / 100 of a second
- End positions are constantly monitored and adjusted to 1 / 100 of a mm
- Warning, alarm and shut-down functions upon reaching selectable load limits
- Quality assurance of the entire valve gate process using PLC control outputs
- Clean room capability



## VISIO Linear Drive - Typ 64.102.01

### Electric force transmitter

#### Performance data of valve gate drives:

#### VLD 5000

- maximum drive power: 920W
- maximum drive speed: 255 mm/s
- maximum needle shear force: 8660N
- construction height: 265mm

#### VLD10000

- maximum drive power: 2000W
- maximum drive speed: 177 mm/s
- maximum needle shear force: 18700N
- construction height: 275mm

Needle diameter	VLD 5000		VLD 10000	
	Needle-number min.	Needle-number max.	Needle-number min.	Needle-number max.
Ø 2	12	24	24	48
Ø 3	8	16	16	32
Ø 4	6	12	12	24
Ø 6	4	8	8	16

