



DTE AND DTL SERIES



Features and Benefits

- Proven and continuously optimized technology for reliable production processes
- The eccentric drive of the DTE series is ideally suited for cutting, punching, bending and stamping operations
- The scotch yoke drive of the DTL series reduces the slide velocity during the forming phase and thus is the perfect solution for parts with a higher drawing depth
- Flexible installation options as a single press in progressive or transfer mode or as fully automated press line
- The solid, low-stress annealed press bodies are FEM-calculated and optimized by so-called "hot-spot analysis" in areas which are subject to higher loads
- Presses in tie-rod design are connected to a rigid frame by hydraulically pre-stressed tie-rods
- The outside located pressure points and an 8-fold slide guiding system absorb off-center loads, spare press and die and ensure a constant part quality
- The automatic centralized lubrication system increases productivity and availability

Overview

- Type: Forming presses
- Press capacity: 6,000-30,000 kN
- Part size: medium to large
- Drive concept: eccentric (DTE), scotch yoke (DTL)
- Application: cutting, blanking, forming, embossing, drawing

Description

The eccentric drive of the DTE series is primarily suited for flat and semi-flat parts due to its sinusoidal slide motion curve. The modified slide kinematics of the DTL series is ideal for parts with a higher drawing depth.

Standard equipment

- Moving bolster with mobile control panel
- Electrical lifting gate with safety glass windows
- Electrical slide adjustment, mechanical slide locking, pneumatic slide counterbalance
- Air-cooled, frequency-controlled AC motor
- Hydraulic unit and lubrication unit with progressive distributor
- Hydraulic overload protection
- Press force monitoring (single and sum force)
- Vibration isolation with spring dampers
- VPN interface for remote maintenance

Options

- Additional moving bolster in front-to-back or t-track arrangement
- Press force monitoring (signature curve)
- Different press enclosure concepts for noise reduction
- Automatic scrap flaps
- Hydraulic die clamps with automatic clamping process

Technical specifications

Model	DTE-800 2P 4P	DTE-1000 2P 4P	DTE-1250 2P 4P	DTE-1600 2P 4P	DTE-2000 4P	DTE-2500 4P
Press capacity in kN	8,000	10,000	12,500	16,000	20,000	25,000
Stroke rate in 1/min	40	35	30	27	27	27
Slide stroke in mm	500	500/600	500/600	500/600	500/600	500/600
Slide adjustment in mm	400	400	400	400	400	400
Die height* in mm	1,100	1,100	1,200	1,400	1,400	1,400
Slide and bolster dimensions in mm	4,600 x 1,800	5,100 x 1,800	5,100 x 1,800 6,100 x 1,800	6,100 x 1,800	6,100 x 2,500	6,100 x 2,500
	5,100 x 2,200	5,100 x 2,500	5,100 x 2,500 6,100 x 2,500	6,100 x 2,500	7,300 x 2,500	7,300 x 2,500

Model	DTL-600 2P	DTL-800 2P 4P	DTL-1000 2P 4P	DTL-1250 2P 4P	DTL-1600 4P	DTL-2000 4P	DTL-2500 4P	DTL-3000 4P
Press capacity in kN	6,000	8,000	10,000	12,500	16,000	20,000	25,000	30,000
Stroke rate in 1/min	50	40	35	30	27	27	27	27
Slide stroke in mm	400	500	600	600	600/762	600/762	762	762
Slide adjustment in mm	400	400	400	400	400	400	400	400
Die height* in mm	1,000	1,100	1,100	1,200	1,400	1,400	1,400	1,400
Slide and bolster dimensions in mm	4,600 x 1,600	4,600 x 1,800	5,100 x 1,800	5,100 x 1,800 6,100 x 1,800	6,100 x 1,800	6,100 x 2,500	6,100 x 2,500	6,100 x 2,500
		5,100 x 2,200	5,100 x 2,500	5,100 x 2,500 6,100 x 2,500	6,100 x 2,500	7,300 x 2,500	7,300 x 2,500	7,300 x 2,500

*Slide stroke down, adjustment up (SDAU) | 2P = 2-point design, 4P = 4-point design | Subject to technical modifications