

800 TON STRAIGHT SIDE END-FRAME PRESS EXAMPLE



EXAMPLE #274

Tonnage Capacity: 800

Type: Forging (Cold)

Industry: Automotive

Special Features: Straight Side End-Frame (SSE) Design, Tie Rod Construction, Operator Interface, Off Center Loading, Bed and Ram Ejector Systems, Integrated Progressive Die

FEATURES

- Used to cold forge parts with an integrated progressive die for a leading automotive supplier
- 3" x 44" x 58" bolsters
- 10" stroke Parker Cylinders
- Ram speeds: 222 IPM approach; 45 IPM pressing; 258 IPM return
- Remote hydraulic power system with 400 gallon oil reservoir
- 36" tall ram slide bushings, instead of Beckwood's standard oversized 18" dimension, for superior bed to ram parallelism
- 2" thick x 20" wide straight side type, end frame supports to reinforce housing posts side frames and provide additional resistance to off center loading
- Heavy duty tie rod construction
- Applied force centerline of the press can be shifted left or right via operator control
- High speed parallelism control for side to side ram correction
- Six station integrated part transfer system with sensory & part verification
- 18.8 ton capacity, 6" stroke double acting bed ejector cylinder in position #1 of the transfer system and individually controlled
- 20 ton capacity, 6" stroke double acting bed ejector cylinders in forge positions #2 through #6 of the transfer system and individually controlled
- 10 ton capacity, 1" stroke ram ejector cylinders above forge positions #3 through #6 of the transfer system and individually controlled
- Automatic ram slide lubrication system
- Four (4) Vibro Dynamic vibration dampening leveling pads
- Fixed stops included in the die
- Water cooled heat exchanger with modulating valve
- Light curtain guards front opening of the press
- Pedestal mounted controls with two hand touch buttons
- Inch, semi-auto and full-auto cycle controls
- Allen Bradley SLC 5/03 PLC control system with an Allen Bradley VersaView Interface

CONTACT US

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