

Siemens Servo Press Energy Management

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So ... You Want a

Servo Pre

How Much Energy will it use?

Servo Press Power Requirements 2000t - 550kJ – 30spm



Elec Service Req'd 2400amps 3x2000 awg THHN/Phase Transformer \$\$/Main Disc \$\$ Buss Connection \$\$



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Servo Press System Calculations



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Optimized Energy Efficiency for Servo Presses for Manageable Energy Supply



Electric energy storage

Integrated Servo Press Automation with Energy Management Systems



Automotive reference

25,000 kN (2,750 US tons) servo press at German prime car manufacturer



Press specification @ full force:

- Parts per minute: 30 spm
- Forming speed: max. 17 spm
 - Working capacity: 1,000 kJ

Energy management systems at a glance Example: 2,750 US tons at 30spm with 1,000kJ load at 6"



Energy management systems at a glance

Example: 2,750 US tons at 30spm



How energy is transformed from cost factor to success factor Example: 2,750 US tons at 30spm with 1,000kJ load at 6"



Increasing energy efficiency quickly results in companies being able to slash their energy costs by 15 percent and more – with payback times that are often less than two years.

Thank you for your attention!



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