



LINEAR SERVO PRESSES

PIONEERING A NEW PRESSING METHOD



Beckwood LSP™ is a new era of press technology that combines the flexibility of hydraulic presses with the performance of servo-mechanical presses. Maintenance-free for millions of cycles, LSP™ offers precision, reliability, and efficiency to maximize your production.

LSP™ OUTPERFORMS SERVO-MECHANICAL PRESSES

- No crankshaft, flywheel, or recirculating lubrication system
- Full tonnage throughout the stroke—no BDC
- No derating tonnages for long draws or long strokes & no over-buying on tonnage to accommodate for loss above BDC
- No scheduled maintenance for millions of cycles
- No counterbalance system or EMS
- Prolonged die life with overload protection
- Easy die setup and changeover; tooling can accommodate any shut height
- Tight process control for complex draw work
- Minimized breakthrough & reverse tonnage shock
- Easily create and edit motion profiles, changing speeds throughout the cycle if needed
- Improved part quality and throughput
- Readily available, small servo motors that are affordable with short lead times
- Lower cost of acquisition

LSP™ OUTPERFORMS HYDRAULIC PRESSES

- No hoses, fittings, tanks, or hydraulic fluid
- No part contamination & reduced scrap = higher throughput
- High precision & force accuracy
- Precision linear actuators provide superior rigidity
- No scheduled maintenance for millions of cycles
- Up to 70% less energy usage
- Reduced carbon footprint
- Improved safety by keeping facility floors oil-free
- 60% fewer components on your BOM for easy setup and troubleshooting
- Significantly lower noise output
- Increased speed control flexibility
- Multiple cylinder design controls press parallelism
- Optional extended dwell capability for compression molding applications
- Improved control over decompression shock when used with in-die nitrogen springs



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Model Specifications

Model	Tonnage	Bed/Ram Size	Daylight	Shut Height	Stroke	Dwell*	Rated Tonnage Point	Upper Die Weight*	Power*
LSP-125-2436	125	24" x 36"	24"	0"	24"	5 sec.	Full Stroke	1,000 lbs	480V, 3Ph, 60Hz
LSP-125-3648	125	36" x 48"	36"	12"	24"	5 sec.	Full Stroke	1,000 lbs	480V, 3Ph, 60Hz
LSP-250-3660	250	36" x 60"	36"	12"	24"	5 sec.	Full Stroke	3,000 lbs	480V, 3Ph, 60Hz
LSP-250-4896	250	48" x 96"	48"	12"	36"	5 sec.	Full Stroke	3,000 lbs	480V, 3Ph, 60Hz
LSP-375-3672	375	36" x 72"	36"	12"	24"	5 sec.	Full Stroke	4,500 lbs	480V, 3Ph, 60Hz
LSP-375-4896	375	48" x 96"	48"	12"	36"	5 sec.	Full Stroke	4,500 lbs	480V, 3Ph, 60Hz
LSP-500-4896	500	48" x 96"	48"	12"	36"	5 sec.	Full Stroke	5,000 lbs	480V, 3Ph, 60Hz
LSP-500-60120	500	60" x 120"	60"	24"	36"	5 sec.	Full Stroke	5,000 lbs	480V, 3Ph, 60Hz

*Alternate power configurations and infinite dwell capability available upon request.

*Heavier dies can be accommodate but will affect final speeds

Standard Features

- 8-Point gib-guided unitized frame
- Vibration dampening pads
- T-slots
- Data acquisition
- Recipe handling (1,000 capacity)
- 21" PC-based touchscreen
- Beckwood's iFlex Controls
- Part quality monitoring
- Built-in ram Active Level Control (250T+)
- Overload protection

Options

- Light Curtains / Guarding
- Additional speed configurations
- Additional power configurations
- Infinite dwell
- Die protection
- Custom die mounting provisions
- Quick die change systems
- Complete press customization

Speed Packages

Approach / Retract (No Load)

Speed (IPM)	Motor (KW)
388	15
600	30

Process Speeds

Speed (IPM)	Motor (KW)
0-32	11
0-46	15
0-93	30
0-140*	45

*For Faster Short Stroke Applications

Don't see a model to fit your needs? We can build custom linear servo presses for any application up to 500 tons:

- Compression molding with heated platens
- Draw press with bed cushion
- Knockout actuators
- Up-acting or Side-acting presses
- Hot Forming / SPF
- Powder compaction presses

Retrofits of existing hydraulic systems are available too!

Revolutionize your production line today!



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