

enFORCE
Digital Servo Press
DSP1500 (SAN3) SYSTEM
OPERATION MANUAL



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SECOND Edition July 2005



Automation Systems

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****WARNING****

All applicable national and local codes must be followed when installing and operating the equipment detailed in this manual.

FAILURE TO ABIDE BY THESE CODES AND THE SPECIFICATIONS DESCRIBED IN THIS MANUAL CAN RESULT IN SERIOUS INJURY TO PERSONNEL AND/OR DAMAGE TO THE EQUIPMENT.



WARNING

THIS EQUIPMENT IS CAPABLE OF HIGH PRESS FORCE & VOLTAGES HAZARDOUS TO HUMAN LIFE.

DO NOT operate the press **WITHOUT** all safety guards and/or devices in place and operational.

NEVER enter the press ram area with power applied to the press unit.

Follow Lockout/Tagout and other safety precautions when performing maintenance or connecting / disconnecting cabling, wiring, and equipment.

Do not open or remove any covers, even if the unit is disconnected from the power source.

Only qualified personnel should attempt to modify or repair this product.

There is a possibility of receiving an electrical shock from this equipment, if used improperly.



WARNING

- Read this manual carefully before attempting to operate the equipment.
- If this System is being operated as a part of a larger system, the larger system should be clearly marked with the warning information, above. Also, a copy of this notice should be included in all pertinent operation and maintenance manuals.
- SAN Units must be placed in a NEMA 12 or similar enclosure. Some type of Air Handling Unit (air conditioner, heat exchanger, etc.) may also be required.
- Be sure to use the recommended circuit breakers with the power supply lines.
- Use the power supply voltages recommended in the specifications to prevent possible personnel injury and equipment damage.
- Operate equipment within the specified limits for force output and duty cycle. Exceeding these specifications could result in injury and/or shortened equipment life.
- Do not modify this equipment, or the warranty will be void. Please contact FEC INC. if any special modification is required.
- Inspect the equipment's safety devices and confirm they are operating properly. **DO NOT OPERATE EQUIPMENT IF THESE DEVICES MALFUNCTION!**
- Inspect the equipment for wear and damage at regular intervals.
- Use care when mounting or removing tools. Some tool models are very heavy.
- Avoid touching the moveable parts of the equipment. If this cannot be avoided, ensure that there is no power to the System before touching a moveable part.
- Specific precautions regarding equipment installation and location have been incorporated into this manual. Before operating the equipment, verify that countermeasures have been taken for any adverse conditions that may exist. Failure to address these conditions prior to operation could result in injury or damage to the equipment.

Revisions

Revised date	Revision History
06/2003	enFORCE DSP1500 (SAN3) First Edition
07/2005	enFORCE DSP1500 (SAN3) Second Edition