

enFORCE

Digital Servo Press DSP1500 (SAN3) SYSTEM OPERATION MANUAL



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Automation Systems

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DSP1500E-HS-2

****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.



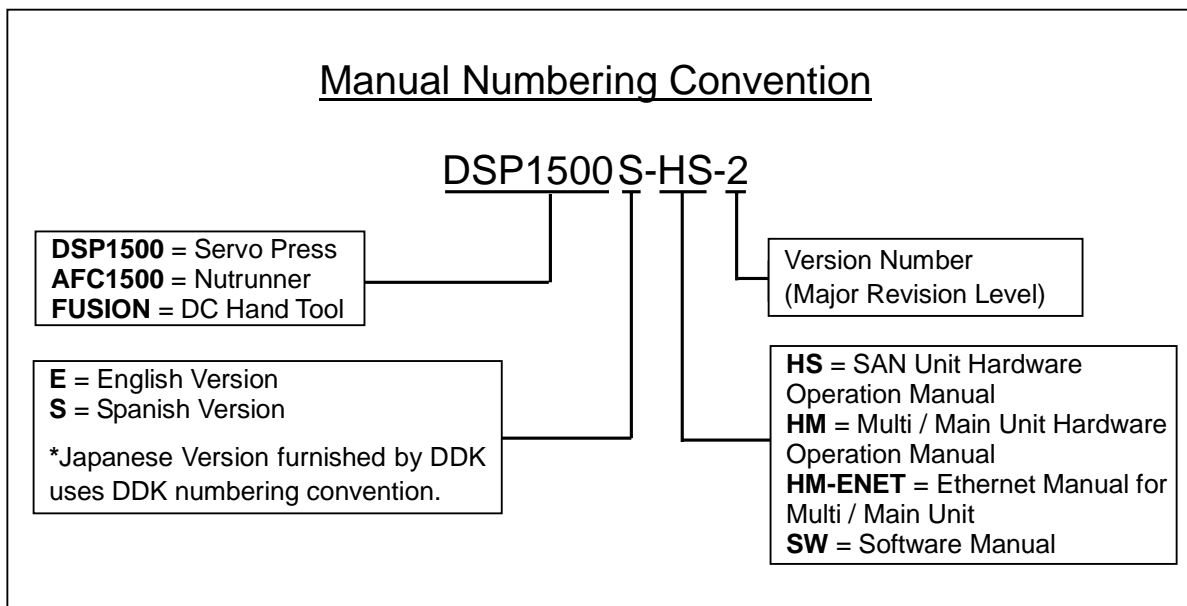
WARNING

- 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

Revision	Revision Date	Revision History	Software Version*
1.0	06/2003	Initial Release	
2.0	07/2005	Correction Made to Initial Release	
3.0	05/2007	Revisions made for Version 2.x	2.17

* Software Version at Revision Date.



Introduction

Thank you for purchasing our **Digital Servo Press - DSP1500 System**.

This instruction manual describes the procedures for installation, wiring, handling, and actions to be taken in case of any failure.

- ◆ This instruction manual shall be delivered to the end user who operates the equipment.
- ◆ Read all instructions before use, and always keep this instruction manual with the equipment.
- ◆ Items not described in this instruction manual shall be considered “unavailable”.
- ◆ The product specification and appearance described in this instruction manual is subject to change without notice.
- ◆ All rights reserved. Any disclosure, copying, distribution, or use of the information contained herein for other than its intended purpose, is strictly prohibited.

For the safety of operator and equipment

- ◆ It is important for you to read all “Safety Precautions” before using the equipment, and understand and observe all instructions and recommendations included in this manual.
- ◆ Read all instructions and recommendations included in this manual, understand the functions and performance of this Servo Press, and correctly use this machine.
- ◆ Wirings and parameter settings shall only be conducted by a qualified professional.
- ◆ Never conduct a withstand voltage test or insulation resistance test on this equipment.

- ◆ Indicate the following on all instruction manuals that use this equipment.
”**This equipment is capable of high voltages hazardous to human life.**”

Points to check when unpacking

Please confirm the followings when unpacking this equipment.

- ◆ Ensure that you received the correct model, as ordered.
- ◆ Ensure that there are no missing parts.
- ◆ Check for any damage caused during transportation.

Introduction

Warranty

Warranty Period

The standard warranty period is one year from the date of purchase or one year from delivery to the designated End User (not to exceed 18 Months). Actual terms are order specific.

Provision of warranty

If your product proves to be defective, although it has been used properly in accordance with this instruction manual, during the period of warranty, this product will be repaired free of charge. However, in the following cases, the customer will be required to pay for repair charges, even for defects occurring within the warranty period.

1. Any defect due to improper conditions, improper circumstances, and improper handling.
2. Any defect due to modifications or repairs performed by the customer.
3. Any defect caused by other equipment.
4. Any defect caused by customer failing to meet the equipment's specification.
5. Any defect due to natural disasters and accidents.

This warranty shall be limited to repairing or replacing this product. Any liability for indirect or consequential loss or damage of any kind incurred or suffered by the customer due to a defect of the product is excluded.

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