



100 TON DELUXE IRONWORKER

SAFETY INSTRUCTIONS MANUAL



ORIGINAL INSTRUCTIONS - IW100DX02

SAFETY MANUAL

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OPERATOR AND SUPERVISOR INFORMATION

This is one of four manuals supplied with your machine.

- Installation Manual
- Safety Instructions Manual
- Operations Manual
- Maintenance Manual

READ ALL MANUALS BEFORE OPERATING MACHINERY. Operating machinery before reading and understanding the contents of all four manuals greatly increases the risk of injury.

Each of the four machine manuals describe 'best practices' in handling, installing, operating and maintaining your machine. The contents of each manual is subject to change without notice due to improvements in the machinery or changes in National or International standards.

All rights reserved. Reproduction of this manual in any form, in whole or in part, is not permitted without the written consent of Edwards Manufacturing Company.

Keep all manuals close to the machine to allow for easy reference when necessary.

Provide operators with sufficient training and education in the basic functions of the machine prior to machine operation.

Do not allow for operation of the machine by unqualified personnel. Edwards Manufacturing Company is not liable for accidents arising from unskilled, untrained operation.

Do not modify or change the machine without written authorization from Edwards Manufacturing Company. Unauthorized modification to a machine may result in serious operator injury, machine damage and will void your machine warranty.

Never leave a powered machine unattended. Turn machinery **OFF** before walking away.

This machine is manufactured for use by able bodied and able minded operators only. Never operate machinery when tired or under the influence of drugs or alcohol.

Do not resell, relocate or export to a destination other than to the original point of sale. Edwards has designed this machine to meet the standards of the original receiving country and is not liable for meeting any governing body or performance standards beyond those of the original receiving country.

SIGNAL WORD DEFINITION



Indicates a hazardous situation that, if not avoided, will result in death or serious injury.



Indicates a hazardous situation that, if not avoided, could result in death or serious injury.



Indicates a hazardous situation that, if not avoided, could result in mild or moderate injury.



Indicates information considered important, but not hazard related.

SIGNAL WORD PANEL ON MACHINE





Critical machine safety information is identified on signal word labels. Labels are attached adjacent to the potentially hazardous locations of the machine. Reference the Safety Instruction Manual for additional information regarding the potentially hazardous condition identified on the label.

Review ALL labels on the machinery, reference the operational precautions and safe operations sections within this manual before any operation activity is initiated.

Failure to read and understand the signal word labels affixed to the machinery may result in operator death or injury.

SIGNAL WORD PANEL • MACHINE FRONT

⚠ DANGER	
	KEEP OUT Hazardous voltage inside.
	Lockout power before servicing.
10 hp	3~
230 V	60 Hz

⚠ WARNING		
	SHEAR/CRUSH HAZARD Moving parts can cut and crush. Keep guards in place.	

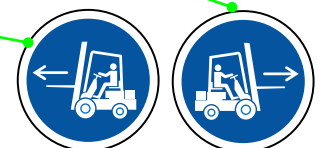
⚠ WARNING	
	FLUID INJECTION HAZARD Hydraulic fluid is under pressure. Hydraulic fluid powers moving parts. Keep guards in place.
	

⚠ WARNING		
	SHEAR/CRUSH HAZARD Moving parts can cut and crush. Keep guards in place.	



PUSH TO START	
	
IRON WORKER	AUTO CUT
OPERATIONS CONTROL	
⚠ CAUTION HYDRAULIC ACCESSORY CONTROLS POWERED BY IRONWORKER	
NOTICE	
Read, understand, and follow all labels shown on the machine and described in the: • Safety Instructions Manual • Installation Manual • Operations Manual • Maintenance Manual	
Keep all manuals close for easy reference.	
Trained and authorized personnel are to install, operate and service this machine. Do not allow for operation of the machine by unqualified personnel.	
Personal protective equipment must be worn at all times during machinery operation.	
DO NOT REMOVE, DESTROY OR COVER THIS LABEL.	

⚠ WARNING	
THIS FOOT SWITCH SHOULD ONLY BE USED WHERE POINT OF OPERATION GUARDING DEVICES HAVE BEEN PROPERLY INSTALLED SO THAT IT IS IMPOSSIBLE FOR THE OPERATOR'S HANDS OR FINGERS TO REMAIN WITHIN THE POINT OF OPERATION DURING THE ACTUAL MACHINE CYCLE.	



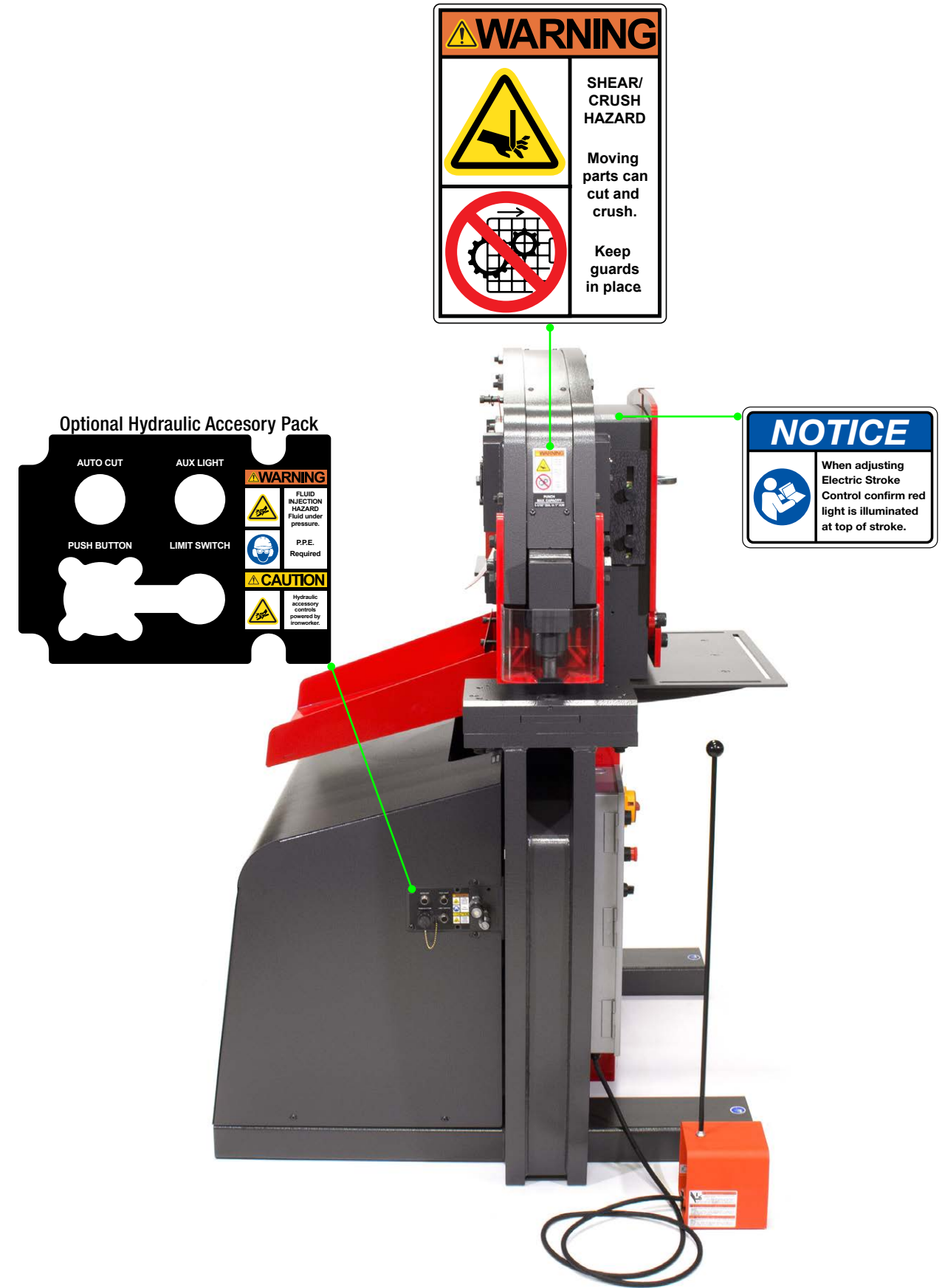
SIGNAL WORD PANEL • MACHINE BACK



SIGNAL WORD PANEL • MACHINE RIGHT



SIGNAL WORD PANEL • MACHINE LEFT



DANGER PANEL

DANGER



Electrical Hazard

This is the electrical hazard symbol. It indicates there are dangerous high voltages present inside the enclosure of this product. ONLY qualified, authorized, maintenance, service or Certified Electricians should gain access to electrical panel. Do not operate this equipment from any power source that does not match the voltage rating stamped on the equipment. Refer to the Manufacturer's Identification Label for operational requirements.



Lockout Power

Danger circuits are live. Lockout/Tagout the upstream power source. Lockout/Tagout machinery according to Employer procedures.

230 V

Voltage (Varies by consumer requirement)

Indication of operating power requirements. This product should be operated only from the type of source indicated on the manufacturer's identification label Installation should be in compliance with applicable sections of the National Electric Code. Consult your local building code before installing.

3~

Phase (Varies by consumer requirement)

Indication of electrical phase requirements. This product should be operated only from the type of source indicated on the manufacturer's identification label Installation should be in compliance with applicable sections of the National Electric Code. Consult your local building code before installing.

10 hp

Horsepower (Varies by model)

Indication of horsepower requirements. This product should be operated only from the type of source indicated on the manufacturer's identification label Installation should be in compliance with applicable sections of the National Electric Code. Consult your local building code before installing.

60 Hz

Hertz (Varies by consumer requirement)

Indication of electrical cycles per second. This product should be operated only from the type of source indicated on the manufacturer's identification label Installation should be in compliance with applicable sections of the National Electric Code. Consult your local building code before installing.

WARNING PANEL

WARNING



Shear/Crush Hazard

Moving parts can cut and crush. Keep hands clear while operating. Lockout power before servicing. Immediately replace guards after adjustment, repair or service.



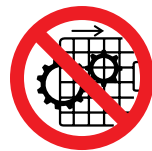
Wear Personal Protective Equipment

To avoid physical hazard, always wear personal protective equipment. Wear protective eyewear, clothing, gloves, footwear, head-gear and hearing protection while operating or servicing this machinery.



Fluid Injection Hazard

Hydraulic hoses and cylinders are under pressure. Pressurized fluid can pierce skin and cause severe injury. To avoid physical hazard, always wear personal protective equipment. Keep hands clear while operating. Lockout power before servicing. Immediately replace guards after adjustment, repair or service.



Do Not Operate With Guard Removed

Physical barriers and guards have been designed and installed to protect the operator from moving parts that can pinch, cut and crush. Keep hands clear while operating. Lockout power before servicing. Immediately replace guards after adjustment, repair or service to moving parts.



Heat Hazard

To avoid physical burn hazard, always wear personal protective equipment. Wear protective clothing and gloves while working adjacent to or on the affected surface.

NOTICE PANEL

NOTICE



Ironworker Operation

This manual outlines the basic functions associated with typical Ironworker operations and is neither intended to create a comprehensive list of, nor describe every operation possible with an Ironworker tool. Ironworker machines are designed to punch, shear and notch mild steel (A36) plate, barstock and angle. A wide range of accessories are available to fabricate rod, square stock, sheet metal and pipe. **DO NOT USE THIS EQUIPMENT FOR ANY PURPOSE NOT DESCRIBED IN THE MANUALS. Ironworker machines are dangerous and require extreme care and caution in the safe installation, operation and maintenance of the machinery. Edwards Manufacturing Company strongly suggests reading and understanding all manuals associated with the machinery as well as obtaining certified, technical, industrial machinery operations and maintenance training to reduce the risk of injury. Regardless of the contents of the machinery manuals Edwards Manufacturing Company will not be held liable for accidents caused by lack of training.**



Refer to Manuals: Safety, Installation, Operations and Maintenance

Manuals contain critical instructions regarding proper procedures for your machinery. Understand the contents of all manuals thoroughly. Failure to follow proper procedures may result in serious operator injury, machine damage and will void your machine warranty. Keep manuals close to the machine for easy reference.



Wear Personal Protective Equipment

To avoid physical hazard, always wear personal protective equipment. Wear protective eyewear, clothing, gloves, footwear, head-gear and hearing protection while operating or servicing this machinery.



Forklift Location

This machine is equipped with rated forklift movement points. Do not attempt to lift the machinery by any other means. Inappropriate movement of the machinery may result in serious operator injury, machine damage and will void machine warranty. Consult the installation manual for equipment weight ratings. Provide rated forklift and certified forklift operator to move machinery to appropriate location.

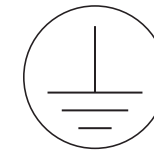


ADDITIONAL GRAPHIC INFORMATION



PE

'Protective earth', electrical grounding location.



Safety Ground

Safety earth ground location.

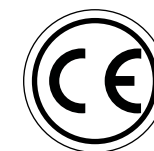


Do Not Use Non-Approved Lubricants

This machine requires lubrication of moving mechanical parts (grease) and the maintenance of hydraulic fluids. Consult maintenance manual for specific lubrication requirements and application or maintenance schedules.

MOTOR ROTATION

ISO VISCOSITY 46 HYDRAULIC OIL



Electric Motor Rotation (Above)

Identification of proper electrical motor rotation.

Conformité Européenne

Conformity with all legal requirements pertaining to the equipment with the European Economic Area.



Hydraulics

Hydraulic fluids must be recycled as required by local environmental law. Do not dispose of by adding to the municipal waste stream.

**ADDITIONAL GRAPHIC
INFORMATION**



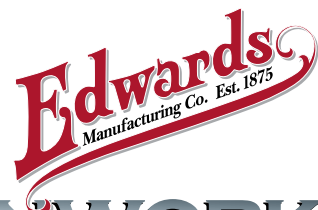
Electronics

Electronic equipment must be recycled as required by local environmental law. Do not dispose of by adding to the municipal waste stream.



Metal

Metal components must be recycled as required by local environmental law. Do not dispose of by adding to the municipal waste stream.



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