

DIE/MOLD UPENDERS

A Smarter and Safer Way to Flip Heavy Items

MDR Series



A NEW STANDARD FOR

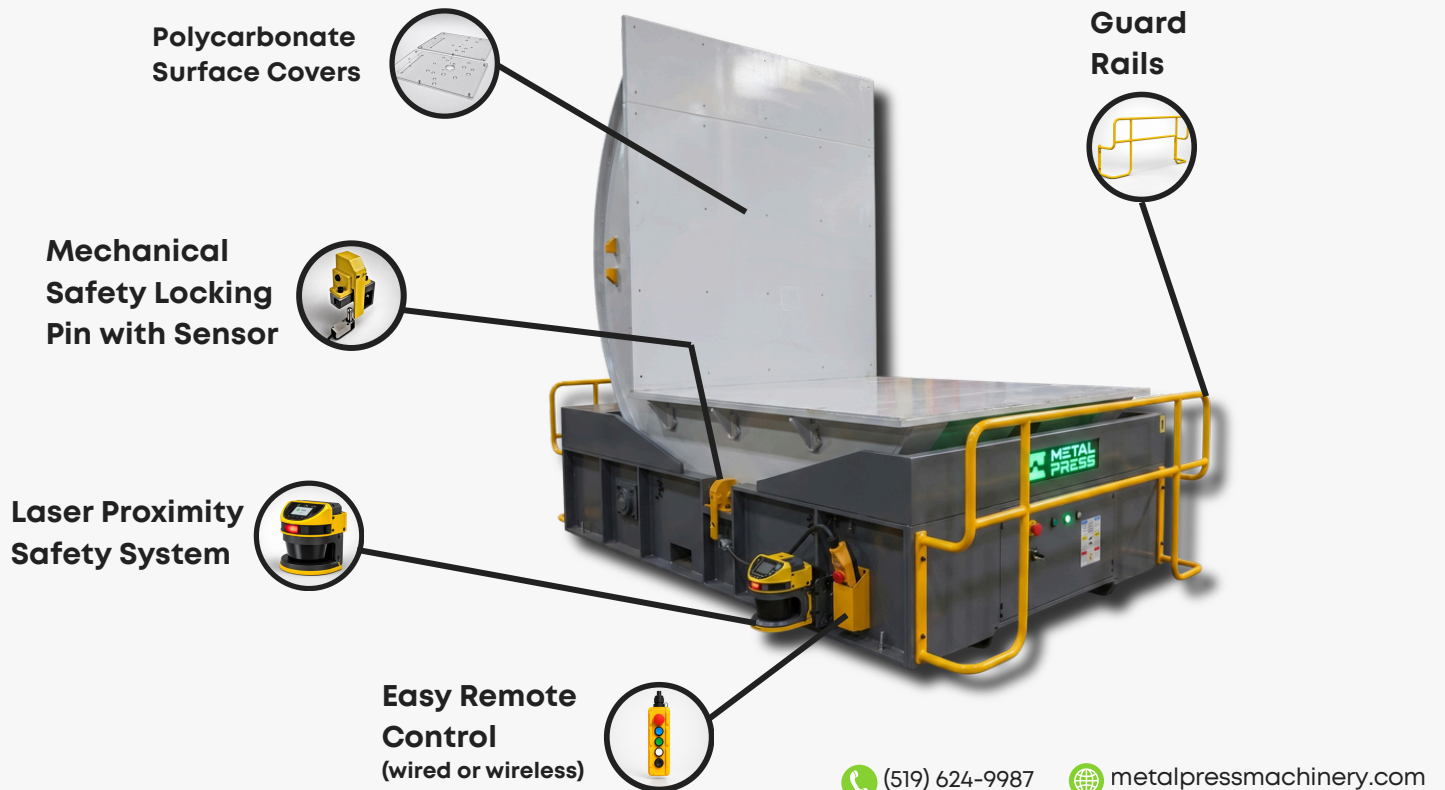
SAFER MOLD AND DIE HANDLING



Die & Mold Upenders Built for Safer Tooling Handling and Storage

The MetalPress MDR Series is engineered to rotate heavy dies, molds, tooling, coils, and industrial loads with controlled, stable movement. Instead of relying on forklifts, chains, slings, or manual repositioning, operators can rotate heavy loads safely through a smooth 90° motion.

Built with reinforced welded steel construction, all-electric operation, and integrated safety features, the MDR Series helps reduce handling risk, protect valuable tooling, and improve changeover efficiency on the plant floor.



MDR SERIES KEY FEATURES & OPTIONS



CUSTOMIZABLE FOR YOUR NEEDS

01

The MetalPress MDR Series offers versatile table designs to meet every tooling need. We can also customize the table dimensions, clamps, guards and other features to meet your specific project or load requirements.



HEAVY DUTY CONSTRUCTION

02

Our upenders are built with reinforced, welded steel frames for demanding industrial use. The units are balanced and all parts work together to deliver smooth, controlled rotation without sudden movement that could destabilize the load.



ALL ELECTRIC

03

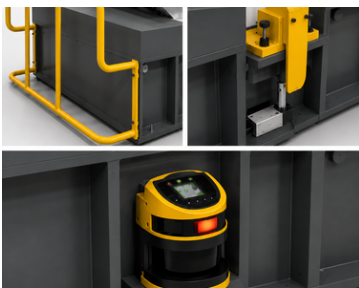
The MDR Series uses an electric-powered gear motor with a dual chain sprocket drive for smooth, safe rotation. With no hydraulic system, there are no messy leaks, less maintenance and cleaner operation on the plant floor.



FULL 90° ROTATION

04

This Series rotates a full 90 degrees in both directions. Rotation is smooth and can be stopped and started at any time and in any position.



ADVANCED SAFETY FEATURES

05

The MDR Series helps protect operators and equipment with safety guard rails, an optional laser safety scanner, and standard mechanical locking pins. These features help create a safer work zone and stop motion when the safety area is entered. In addition, they secure the machine during cleaning or maintenance.

MORE MDR SERIES OPTIONS

TABLE DESIGNS OPTIONS

The MetalPress MDR Series is available with multiple table design options to support different die, mold, and heavy tooling handling requirements. Each table style is designed to provide the proper load support, clearance, clamping flexibility, and positioning needed for specific applications.

From flat table surfaces to U-cut and slotted configurations, the MDR Series can be adapted to improve load stability, tooling protection, and handling efficiency during upending operations.

This allows facilities to choose the table style that best fits their tooling and workflow requirements.

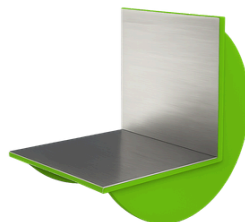


Table Design A



Table Design B



Table Design C



Table Design D

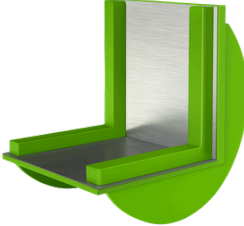


Table Design E

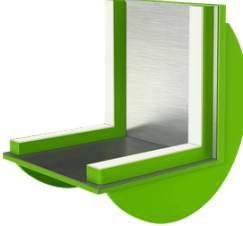


Table Design F



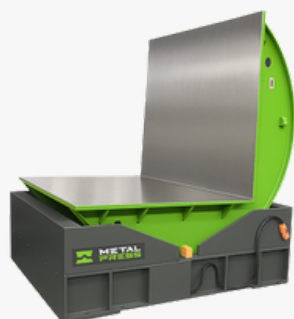
Table Design G



Table Design H



Table Design I



Color Option A



Color Option B

COLOR OPTIONS

Two standard color options are available for the MDR Series upenders.

Choose the MetalPress green accent package for a bold, high-visibility look, or the neutral silver/gray option for a clean, industrial finish.

As an option, we can finish the MDR Series upender in any color to match your facility, branding, or equipment preference.

06

07

MORE FLEXIBILITY FOR DIE & MOLD HANDLING



Flexible Options

180° ROTATING BASE

The optional 180° rotating base allows operators to reposition a die or mold directly on the upender after rotation. This reduces the need for extra cranes, forklifts, or manual adjustments and helps improve workflow efficiency in tight production, storage, or maintenance areas.



08



TRANSPORT BASE

For facilities that need upending capability in more than one location, the MDR Series can be equipped with an optional forklift transport base.

Built-in fork access allows the machine to be moved between work zones, helping teams support multiple tooling areas without dedicating one upender to a single fixed location.

09

MOLD & DIE TRANSFER CART

The MetalPress MCC Series mold and die transfer cart helps move heavy dies and molds between presses, storage areas, maintenance departments, and toolrooms.

When paired with an MDR Series upender, the transfer cart supports a smoother handling workflow from transport to positioning, rotation, inspection, and production setup.



10



WHY YOU SHOULD ALWAYS USE AN UPENDER

Use the Right Tool for the Job

Flipping heavy dies or molds with an overhead crane may seem simple, but it creates serious safety risks. Most cranes are designed to lift and move loads, not rotate them sideways into a tipping point.

When a die shifts unevenly, swings, slips, or starts to rotate unpredictably, the result can be damaged tooling, production downtime, equipment damage, or serious operator risk. When tooling is worth tens or even hundreds of thousands of dollars, one bad movement is not a small mistake.

Controlled Rotation Instead of Workarounds

The MDR Series replaces risky crane positioning, rigging, pry bars, and manual handling with a stable machine-guided rotation process, supporting the load throughout the cycle so operators can rotate heavy dies and molds more safely, smoothly and consistently with less handling risk.

WATCH VIDEO



Protect Expensive Tooling

Die and mold damage can happen quickly when a load is dragged, dropped, tilted unevenly, or forced into position. The MDR Series helps protect valuable tooling by keeping the load properly supported throughout the rotation.

This helps reduce the risk of chipped edges, surface damage, misalignment, and costly repairs while keeping your tooling ready for production.

Improve Workflow Efficiency

Die and mold damage can happen quickly when a load is dragged, dropped, tilted unevenly, or forced into position. The MDR Series helps protect valuable tooling by keeping the load properly supported throughout the rotation.

This helps reduce the risk of chipped edges, surface damage, misalignment, and costly repairs while keeping your tooling ready for production.

Reduce Risk on the Plant Floor

A die upender is not just a convenience item. It is a safer handling system built for a specific job. By replacing improvised rotation methods with a controlled machine process, facilities can reduce the chance of near misses, dropped loads, tooling damage, and unnecessary downtime.

For many manufacturers, avoiding one major tooling incident or safety event can justify the investment many times over.

THE RANGE

EIGHT MODELS. FROM 5 TO 75 TON.



MDR SERIES STANDARD MODEL SPECIFICATIONS

SPECIFICATIONS – U.S. STANDARD	MDR-5	MDR-10	MDR-15	MDR-20	MDR-30	MDR-40	MDR-50	MDR-70
 Overturn Capacity	5.5 tons (11,023 lbs)	11 tons (22,046 lbs)	16.5 tons (33,069 lbs)	22 tons (44,092 lbs)	33 tons (66,138 lbs)	44 tons (88,000 lbs)	55.1 tons (121,473 lbs)	75 tons (150,000 lbs)
 Table Size	47 x 47 inches	55.1 x 55.1 inches	66.9 x 66.9 inches	78.7 x 78.7 inches	78.7 x 78.7 inches	78.7 x 98.4 inches	98.4 x 98.4 inches	98.4 x 118 inches
 Table Height	22.8 inches	26.8 inches	30.7 inches	36.6 inches	38 inches	48.4 inches	48.4 inches	51.6 inches
 Center of Gravity	23.6 inches	27.5 inches	33.5 inches	39.4 inches	39.4 inches	39.4 inches	49.2 inches	49.2 inches
 Center of Rotation	17.7 inches	19.7 inches	25.2 inches	29.5 inches	29.5 inches	29.5 inches	35.4 inches	36.4 inches
 Motor Power	2 hp	4 hp	5 hp	7 hp	10 hp	15 hp	25 hp	30 hp
 Machine Size (L x W x H)	84 x 47 x 70 inches	89 x 55 x 81.9 inches	103.1 x 66.9 x 97.6 inches	120.5 x 78.7 x 116.7 inches	124 x 78.7 x 116.7 inches	130 x 98.4 x 146.8 inches	130.7 x 98.4 x 148.8 inches	130 x 120 x 148.8 inches
 Machine Weight	1.8 tons (3,594 lbs)	2.6 tons (5,200 lbs)	4.2 tons (8,422 lbs)	6.7 tons (13,288 lbs)	8.9 tons (17,637 lbs)	13.2 tons (26,400 lbs)	16.5 tons (33,000 lbs)	19.8 tons (39,600 lbs)

SPECIFICATIONS – METRIC STANDARD	MDR-5	MDR-10	MDR-15	MDR-20	MDR-30	MDR-40	MDR-50	MDR-70
 Overturn Capacity	5 tonnes (5,000 kg)	10 tonnes (10,000 kg)	15 tonnes (15,000 kg)	20 tonnes (20,000 kg)	30 tonnes (30,000 kg)	40 tonnes (40,000 kg)	50 tonnes (50,000 kg)	70 tonnes (70,000 kg)
 Table Size	1200 x 1200 mm	1400 x 1400 mm	1700 x 1700 mm	2000 x 2000 mm	2000 x 2000 mm	2000 x 2500 mm	2500 x 2500 mm	2500 x 3000 mm
 Table Height	580 mm	680 mm	780 mm	930 mm	965 mm	1230 mm	1230 mm	1310 mm
 Center of Gravity	600 mm	700 mm	850 mm	1000 mm	1000 mm	1000 mm	1250 mm	1250 mm
 Center of Rotation	450 mm	500 mm	640 mm	750 mm	750 mm	750 mm	900 mm	900 mm
 Motor Power	1.5 kW	3 kW	4 kW	5.5 kW	7.7 kW	11 kW	18.5 kW	22 kW
 Machine Size (L x W x H)	2130 x 1200 x 1780 mm	2270 x 1400 x 2080 mm	2620 x 1700 x 2480 mm	3060 x 2000 x 2965 mm	3150 x 2000 x 2965 mm	3300 x 2500 x 3730 mm	3320 x 2500 x 3780 mm	3320 x 3050 x 3780 mm
 Machine Weight	1.6 tonnes (1630 kg)	2.5 tonnes (2500 kg)	3.8 tonnes (3820 kg)	6 tonnes (6035 kg)	8 tonnes (8020 kg)	12 tonnes (12000 kg)	15 tonnes (15000 kg)	18 tonnes (18000 kg)

**READY TO FLIP OR
ROTATE HEAVY DIES
OR MOLDS
THE SAFE WAY?**



**Protect Your Tooling.
Improve Handling.
Reduce Risk.**



REACH US HERE:



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