

## Automatic Direct to Film Application System



The M&R ORBITER™ Automatic Direct to Film (DTF) Application System is a versatile rotary heat transfer machine. The ORBITER is specifically engineered to support the M&R QUATRO™ DTF product line. The design encompasses 40 years of M&R carousel machine engineering with precision pressure and speed upgrades necessary to support optimal DTF transfer application. With a full-color touchscreen HMI, adjustable place and peel settings, and robust, reinforced construction, the ORBITER is adaptable to all your application requirements.

The ORBITER's rotary indexing base splits the application time over multiple heat press platens to produce more than 360 transfers per hour under optimal conditions. This transforms passive "waiting" time into active pressing time. The ability to automatically load and unload transfers removes repetitive tasks associated with DTF transfer pressing. The speed increase dramatically outperforms the traditional single-platen heat press process. The ORBITER supports one piece flow and Just-in-Time manufacturing models.

## FEATURES

- Over 360 transfers per hour with a single operator
- Auto load and auto peel stations increase efficiency and eliminate non-value-added manual labor
- Cycle time is reduced by splitting active heat press time between multiple stations
- Flexible configurations
- Reduces sheen
- Softens hand

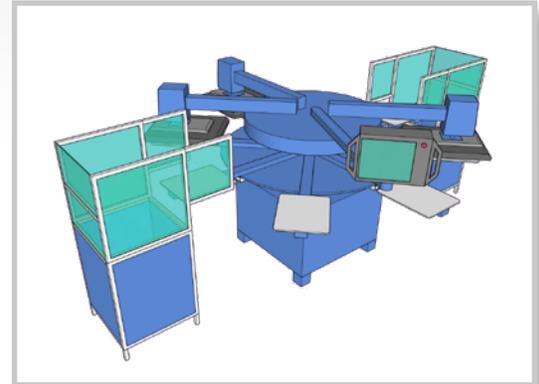
The ORBITER can be used independently from a QUATRO as a standalone heat press solution or integrated into the QUATRO ecosystem to help achieve the most time- and labor-efficient DTF production environment.

Find more information and where to buy at: [www.mrprint.com](http://www.mrprint.com)



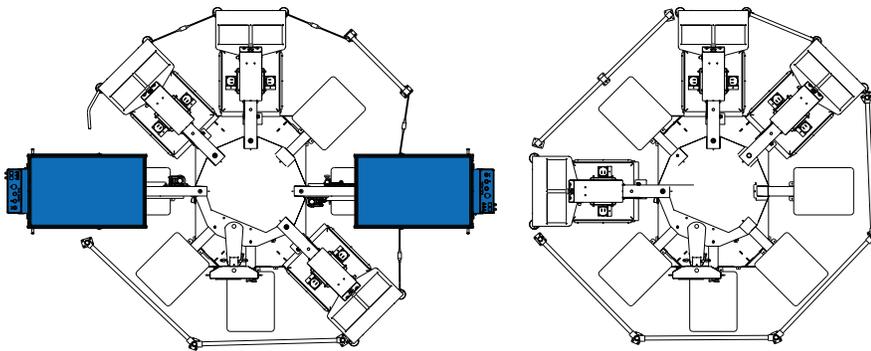
## Key features of the ORBITER include:

- 360+ units per hour versus <180 for a manual press
- Automated placement station (optional)
- Automated peel station (optional)
- Three heat presses including a post-peel heat press
- Supports up to a maximum of four heat presses in different configurations
- Small footprint—fits through a 36" doorway
- No-shirt detector
- 4"x19" sleeve and 10"x12" youth pallets available
- Reduced defects
- Reduced labor



*Auto place and peel stations streamline the transfer process*

## Available both with/without automation stations



*The ORBITER's automated place and peel stations can be added as optional purchases*



*User-friendly touchscreen HMI provides ease of use*

| SPECIFICATIONS   | ORBITER (WITH AUTOMATION)  |
|--|--|
| Electrical Requirements <sup>1</sup> with 3 Heat Presses | 230 VAC, 1 PH, 60 Hz, 57 A, 10.8 kVA<br>230 VAC, 3 PH, 60 Hz, 34 A, 10.8 kVA<br>400 VAC, 3 PH, 50 Hz, 21 A, 10.8 kVA |
| Electrical Requirements <sup>1</sup> with 4 Heat Presses | 230 VAC, 1 PH, 60 Hz, 71 A, 14 kVA<br>230 VAC, 3 PH, 60 Hz, 44 A, 14 kVA<br>400 VAC, 3 PH, 50 Hz, 31 A, 14 kVA       |
| Air @ 6,9 Bar (100 PSI)                                  | 143 l/min (5 cfm)  |
| Dimensions (L x W x H)                                   | 391 x 262 x 158 cm (154" x 103" x 62")   |
| Pallet Size  | 38.1 x 48.2 cm (15" x 19")   |
| Maximum Transfer Size                                    | 35.5 x 45.7 cm (14" x 18")   |
| Maximum Image Area                                       | 34.2 x 40.6 cm (13.5" x 16")   |
| Shipping Weight  | 1374 kg (3029 lb)  |

<sup>1</sup>If incoming voltage differs from the voltage(s) listed in this brochure, calculate amperage accordingly.

| SPECIFICATIONS   | ORBITER (WITHOUT AUTOMATION)   |
|--|--|
| Electrical Requirements <sup>1</sup> with 3 Heat Presses | 230 VAC, 1 PH, 60 Hz, 51 A, 10.4 kVA<br>230 VAC, 3 PH, 60 Hz, 30 A, 10.4 kVA<br>400 VAC, 3 PH, 50 Hz, 21 A, 10.4 kVA |
| Electrical Requirements <sup>1</sup> with 4 Heat Presses | 230 VAC, 1 PH, 60 Hz, 65 A, 13.6 kVA<br>230 VAC, 3 PH, 60 Hz, 42 A, 13.6 kVA<br>400 VAC, 3 PH, 50 Hz, 28 A, 13.6 kVA |
| Air @ 6,9 Bar (100 PSI)                                  | 143 l/min (5 cfm)  |
| Dimensions (L x W x H)                                   | 277 x 266 x 158 cm (109" x 105" x 62")   |
| Pallet Size  | 38.1 x 48.2 cm (15" x 19")   |
| Maximum Transfer Size                                    | 35.5 x 45.7 cm (14" x 18")   |
| Maximum Image Area                                       | 34.2 x 40.6 cm (13.5" x 16")   |
| Shipping Weight  | 1374 kg (3029 lb)  |

<sup>1</sup>If incoming voltage differs from the voltage(s) listed in this brochure, calculate amperage accordingly.

**M&R Printing Equipment, Inc.** 440 Medinah Road, Roselle, Illinois 60172-2329 USA [www.mrprint.com](http://www.mrprint.com)  
**USA: 800-736-6431 / 630-858-6101 • Outside USA: +1-847-967-4461 • FAX: 630-858-6134**

M&R Printing Equipment, Inc. and its subsidiaries (hereinafter M&R), believe the information in this advertisement to be accurate at publication, though it does not purport to list all manufacturing and specification variations, nor does it assume liability resulting from incompleteness or inaccuracy. M&R reserves the right to change specifications without notice. M&R expressly disclaims any liability for damages, consequential or incidental, from purchase, installation, servicing, and/or use of any product/service based upon information herein. No warranties of merchantability or fitness for a particular purpose are made or are to be implied from the information herein. No information herein may be reproduced or used in any manner without the prior, express written consent of M&R in each case. Copyright 2026 M&R Printing Equipment, Inc. All rights reserved. 20260217