

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.

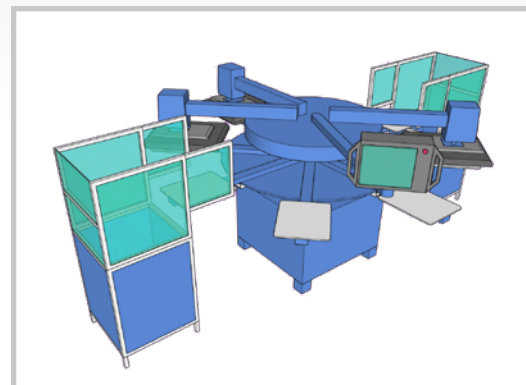
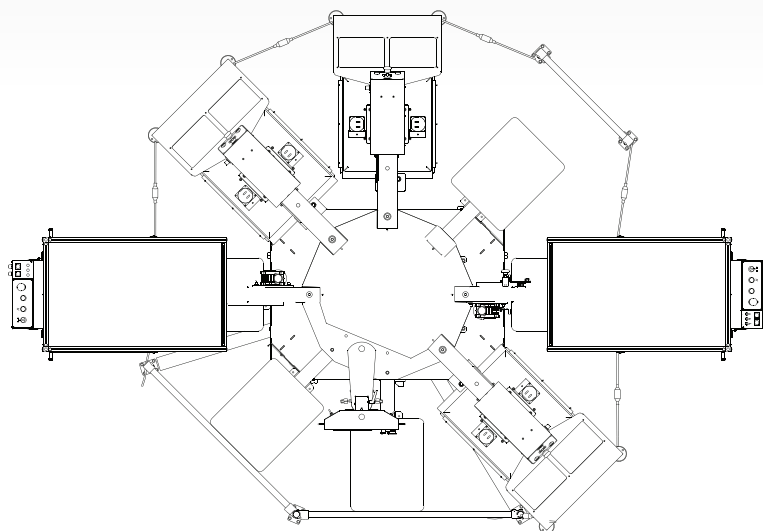
The ORBITER's rotary indexing base splits the application time over multiple heat press platens to produce more than 360 transfers per hour under optimal conditions. This transforms passive "waiting" time into active pressing time. The ability to automatically load and unload transfers removes repetitive 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.

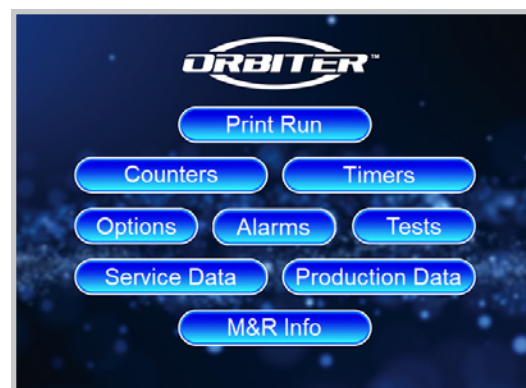
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Auto place and peel stations streamline the transfer process

Key features of the ORBITER include:

- 360+ units per hour versus <180 for a manual press
- Automated placement station
- Automated peel station
- Reduced defects
- Reduced labor
- Three heat presses including a post-peel heat press
- Small footprint—fits through a 36" doorway
- No-Shirt Detector



User-friendly touchscreen HMI provides ease of use

ORBITER TECHNICAL SPECIFICATIONS

Electrical Requirements ¹	230 VAC, 3 ph, 33 A, 60 Hz, 13.1 kVA 400 VAC, 3 ph, 21 A, 50 Hz, 14.5 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")
Shipping Weight	1374 kg (3029 lb)

¹ 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**
USA: 800-736-6431 / 630-858-6101 • Outside USA: +1-847-967-4461 • FAX: 630-858-6134

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