

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

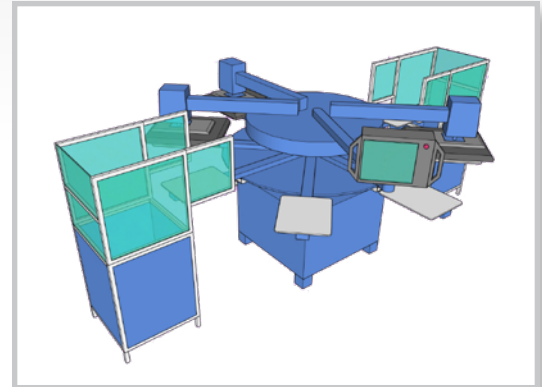
The ORBITER can be used independently from a QUATRO as a standalone heat press solution or integrated into the QUATRO ecosystem to help achieve the most time- and labor-efficient DTF production environment.

Find more information and where to buy at: www.mrprint.com



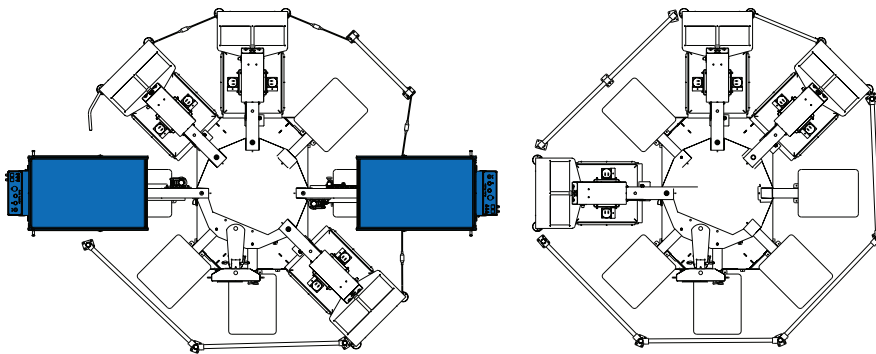
Key features of the ORBITER include:

- 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—can fit through a 36" doorway (with a disassembly option)
- 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 ¹ with 3 Heat Presses	230 VAC, 1 PH, 60 Hz, 57 A, 10.8 kVA 230 VAC, 3 PH, 60 Hz, 34 A, 10.8 kVA 400 VAC, 3 PH, 50 Hz, 21 A, 10.8 kVA
Electrical Requirements ¹ with 4 Heat Presses	230 VAC, 1 PH, 60 Hz, 71 A, 14 kVA 230 VAC, 3 PH, 60 Hz, 44 A, 14 kVA 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)

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

SPECIFICATIONS	ORBITER (WITHOUT AUTOMATION)
Electrical Requirements ¹ with 3 Heat Presses	230 VAC, 1 PH, 60 Hz, 51 A, 10.4 kVA 230 VAC, 3 PH, 60 Hz, 30 A, 10.4 kVA 400 VAC, 3 PH, 50 Hz, 21 A, 10.4 kVA
Electrical Requirements ¹ with 4 Heat Presses	230 VAC, 1 PH, 60 Hz, 65 A, 13.6 kVA 230 VAC, 3 PH, 60 Hz, 42 A, 13.6 kVA 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)

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

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