

# DieMaster RR Series by AzTech

## Modular Servo Rotary Die-Cutting System

The DieMaster RR Series of converting equipment is a servo driven modular system that combines productivity, versatility, and operator efficiency all at an attractive price. The DieMaster is extremely versatile in that it can convert a wide variety of substrates from thin, unsupported films to thick synthetic and gasket materials, and can be configured to perform numerous converting tasks such as Rotary Re-registration, Die-Cutting, ECU/Coupon Label Converting, RFID Process Converting and Digital Post-Press Die-Cutting and Sheeting. The DieMaster RR Series is a tremendous value in that it is essentially 3 machines in 1: A Precision Web Re-registration, High-Speed Rotary Die-Cutting and Slitter Rewind Inspection System.

**Precision Web Re-Registration System:** The DieMaster RR Series utilizes cutting edge servo technology, which combined with the versatility of being able to incorporate a wide array of ancillary equipment and AzTech's ability to make job-specific modifications make it a tremendously effective precision web re-registration system.

**High-Speed Rotary Die-Cutter System:** With single-pass processing, max. web speeds of up to 500 feet/minute and dual product rewinds with EZ change rewind spindles, the DieMaster RR Series allows you to be significantly more profitable in the competitive blank tag and label business.

**Slitter Rewind Inspection System:** The DieMaster RR's short web path and dual rewind configuration, combined with the standard slitting station, optional synchronized strobe light, inspection table and missing label and flag detection system makes it an efficient and productive finished roll rewind/inspection system.

### Specifications:

Max. Web Width: DMRR 4013: 13" (330mm)  
DMRR 4018: 18" (457mm)

Max. Web Speed: 500 fpm (152 m/min)

Unwind Capacity: 40" (1016mm) max. roll diameter

Rewind Capacity: 16" (406mm) using dual spindles  
24" (609mm) with slitting station removed

Waste Windup: 26" (660mm) max. roll diameter

Die Repeat: DMRR 4013: 5.25" (133mm) min.  
18" (457mm) max.  
DMRR 4018: 8" (203mm) min.  
24" (609mm) max.

### Standard Features

- Dual servo drive system with 40" diameter unwind, electronic sensor, and user-friendly touch-screen control panel.
- Pneumatically inflatable 3" diameter unwind and dual independent reversible rewind spindles.
- Interchangeable slitting station module with choice of rotary shear or razor (pneumatic crush extra).
- Two fully supported and dual sideframed invertible die stations, complete with fully hardened anvil rolls and die blocks.
- 26" diameter waste windup with adjustable capstan.
- Ultrasonic web guide for processing both clear and opaque materials.
- Programmable multi-function counter.
- Heavy-duty 5 hp AC variable speed motor, with (2) 1 hp DC clutchless rewind motor drives.
- Fanfolder, conveyor and stocker adaptable.

### Optional Features

- PLC controlled tension with operator-friendly touch screen.
- Flexographic printing and coating station with hot air, IR, or UV drying.
- Additional fully supported and dual sideframed die station.
- 20" diameter lamination tower with roll noise reducer and nip roll.
- Small size die adapter to utilize virtually any length, width, or model 1/8 CP tool.
- Synchronized inspection strobe light.
- Additional 26" diameter pneumatically inflatable waste windup.
- Hydraulic unwind roll lift/loader.
- Electronic missing label and flag detection system with automatic shut-off.
- Forward inspection table.
- Die pressure equalizer designed to keep consistent pressure at both ends, significantly extending die life.
- Die lift systems to safely load and unload dies and rollers, avoiding injury and die damage.
- May be customized to precise needs. Call for details.



Touch-screen operator control panel for precise and easy adjustments.



Adjustable sensor electronically sends web corrections to the servodrives.



Finished roll duch-rewind spindles and slitting station shown with rotary shear knives. Also available with pneumatic rotary crush knives, and razor slitting.



Proudly Manufactured in the U.S.A. 