

DieMaster Series by AzTech

Modular High-Speed Rotary Die-Cutting System

The AzTech DieMaster Series modular high-speed rotary die-cutting system is designed specifically to make your company more profitable in the competitive unprinted label and tag market. Equipped with a 40" diameter unwind station, precise die-to-die registration, and dual rewind spindles, the DieMaster is able to diecut and finished roll rewind in a single pass, far outperforming conventional converting methods. It is extremely versatile, able to convert substrates ranging from thin unsupported films, to thick tag and gasket substrates, and with its programmable counter, inspection strobe light, and optional missing label and flag detection, makes an effective and productive finished roll rewind/inspection machine. The DieMaster is available in 13" (330mm) & 18" (457mm) wide models, and with the optional die/tool adapter, is able to accommodate almost any 1/8CP rotary tools and dies.

DieMaster advantages:

- ☑ Lower capital equipment cost
- ☑ Lower maintenance costs
- ☑ Single pass finished roll processing significantly reduces labor hours
- ☑ Does not require a skilled press operator, significantly decreases hourly labor rates
- ☑ Small work area for total operator control from unwind to rewind
- ☑ Less material waste
- ☑ Faster turnaround of orders

☀ Reduced labor rates + Reduced labor hours + Reduced material waste = MORE PROFIT!

Specifications:

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

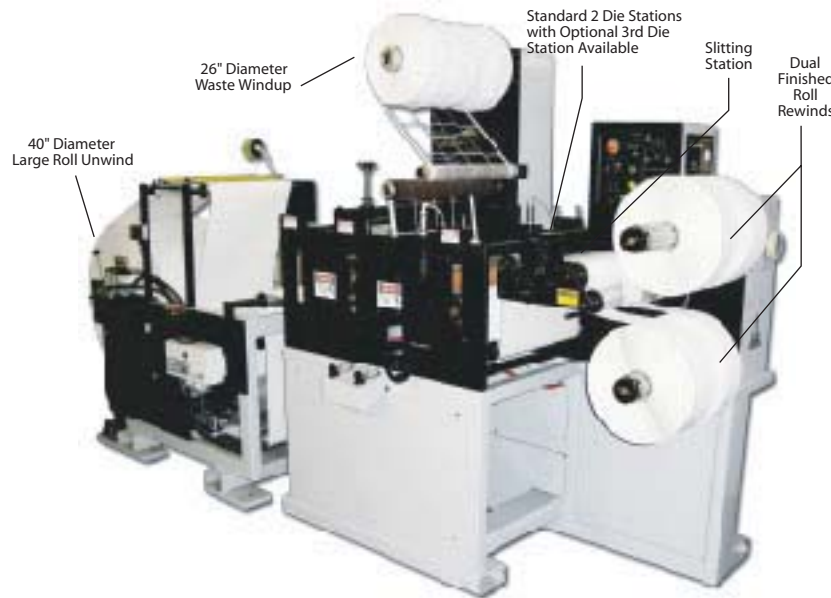
Max. Web Speed: 500 fpm (152 m/min)

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



Standard Features

- Rigid all steel frame with dual-sided dieframes for maximum support and durability.
- Pneumatically inflatable 3" diameter unwind and dual independant reversible rewind spindles.
- Interchangeable slitting station module with choice of rotary shear or razor (pneumatic crush extra).
- Two fully supported and duel 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 clutch-less motor drives.
- Fanfolder, conveyor, and stacker 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 duel 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.



40" diameter large roll unwind, with end of roll shutoff, splice table, dancer roll, and web guide.



Two fully supported die stations with dual sided die frames.



Operator control panel with programmable counter.

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