

matti
Orion Solutions

Data Sheet

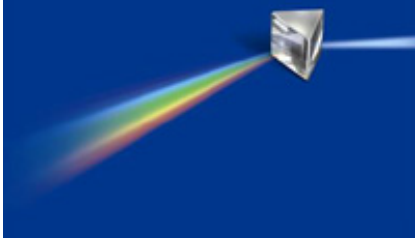


ORION

Model

TU5020/ACC

Unwind
Accumulator
Unit



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The **Matti Orion** Unwind and Accumulator is the fundamental requirement for feeding High Speed Digital Printers.

The standard unit will feed reels of up to 50" in diameter ensuring continuous operation of the digital printer.

The Unwind features the unique Orion drive, when configured with the high volume accumulator gives exceptional on demand speed response with a soft start and stop with the fastest printers.

This allows the most difficult of stocks to be unwound, custom forms, label stocks, reels of photographic film, and light weight papers.

To increase versatility the Unwinds are wheel mounted which allows the unit to be easily moved from one print line to another. The simple user interface ensures the Unwind is at home in the most demanding print room.

Main Features

- Simple to use.
- Quick reel changes minimised down time.
- Wheel mounted for mobility.
- One touch operation.
- Very low operating power.
- Minimum web up time.
- Multi size air inflatable reel shafts available.
- Reel lifting from the floor.
- Communication port for printer or inserter.

Model

TU5020 /ACC



**Model TU5020
Unwinder with Loop
Control Box**



**Model TU5020/AB
Unwinder with Air Box (Full
loop control for High Speed
Inserter)**



**Model TU5020/LC
Unwinder with air blown
Loop Control Box**

Benefits

- High volume continuous feed.
- Eco friendly low power consumption.
- Powered reel loading and unloading to the floor.
- Ergonomic design with quick and simple paper thread up.
- Reel shaft automatically locked into position.
- User-friendly operator interface with multi coloured display.
- Minimum web-up time.
- Automatic speed sensing
- Automatic direction sensing
- Mounted on wheels for mobility.
- Multi-reeve dancer arrangement allows unit to soft start and stop.
- Trouble free unwinding.

Standard Features

- Reversible direction unwinding .
- Up to 600 ft/min maximum speed.
- Tensionless output, controlled by loop height detection allows the unit to respond to web demand.
- Retractable airshaft inflator
- End of Reel Sensor
- Web Break Sensor

- Communication port for host device
- Automatic paper-jam stop and Emergency stop buttons
- Supplied complete with airshaft.

Optional Features

- Range of Airshafts available for standard cores.
- Splicing table
- Flag detector.
- Splice detector.
- Built in compressor

Technical Specification

Maximum Reel Dia	1320mm (50")
Maximum Reel Width	520mm (20.5")
Standard Airshaft	70mm (2 3/4") or 76mm (3")
Maximum Line Speed	Up to 182m/min (600ft/min)
Maximum Reel Weight	680kg (1500lbs)
Power Supply	220-240V-1ph-50-60Hz
Power Consumption	0.75kw
Standby Power	10 Watts
Air Supply	5.5 Bar (80 psi)
Gross Weight	600kg (1320lbs)

Matti Orion
PRODUCT RANGE
 Unwinders
 Rewinders
 Folders
 Paper Processors
 Dynamic Perforators
 Die Cutters
 Web Transport Systems

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