

Your vision – our mission

## MOU5020/ACC™ Tensionless Unwinder



### General description

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.

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## Versions

### Model MOU5020

Unwinder with a single loop control.



### Model MTU5020/AB

Unwinder with Air Box Full Loop Control



### Model MTU5020/LC

Unwinder with Air Blown Loop Control.



## Main Features

- Eco friendly low power consumption.
- 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.

## 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 Touch Screen display.
- Minimum web-up time.
- Mounted on wheels for mobility.
- Multi-reeve dancer arrangement allows unit to soft start and stop.
- Trouble free unwinding.

## Optional Features

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

## 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.
- Automatic speed sensing
- Automatic direction sensing
- Supplied complete with airshaft.

## Technical Specifications

- |                       |                              |
|-----------------------|------------------------------|
| ▪ 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        | 208-240V-1/2ph-50-60Hz       |
| ▪ Power Consumption   | 0.75kw                       |
| ▪ Standby Power       | 10 Watts                     |
| ▪ Air Supply          | 5.5 Bar (80 psi)             |
| ▪ Gross Weight        | 600kg (1320lbs)              |

### Matti Technology AG

Industriestrasse 9  
8583 Sulgen  
Switzerland

info@mattitech.ch  
www.mattitech.ch  
Phone +41 (0) 71 424 09 40  
Fax: +41 (0) 71 424 09 41

### Matti Engineering AG

Industriestrasse 9  
8583 Sulgen  
Switzerland

info@matti-engineering.ch  
www.matti-engineering.ch  
Phone +41 (0) 71 424 09 60  
Fax: +41 (0) 71 424 09 61

### Matti Orion

Industriestrasse 9  
8583 Sulgen  
Switzerland

info@mattiorion.com  
www.mattiorion.com  
Phone +41 (0) 71 424 09 60  
Fax: +41 (0) 71 424 09 61

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