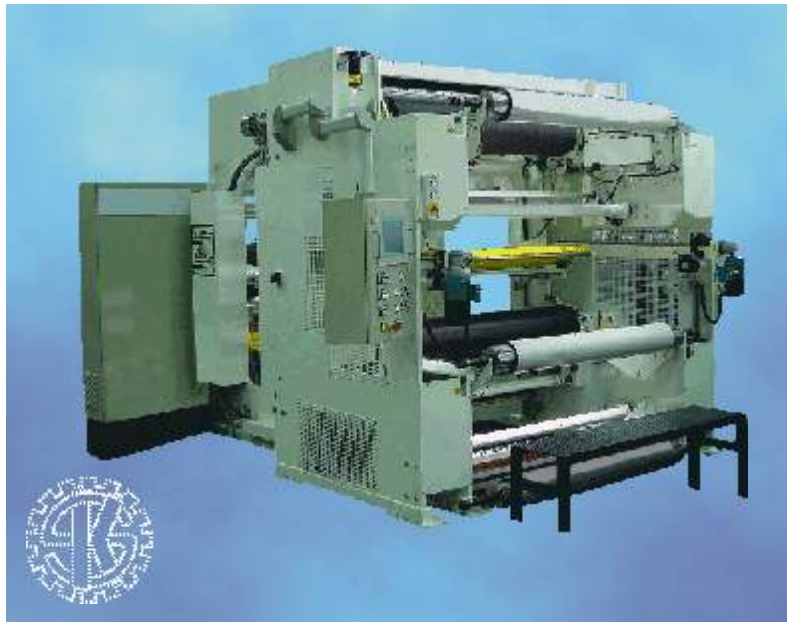


SKM SURFACE WINDER - MSG /2A-VI



SKM design and develop winders, haul-offs, perforation- and cutting tools together with handling equipment for the plastic industry.

MSG /2A-VI is designed and developed to wind tube extruded laminated films, stretch film, asymmetric co-extruded films and in-line pre-conditioned or printed films from 8 to 400 micron.

Our newly developed surface winder MSG /2A-VI features a "true walk away operation" because all handling and winding is fully automated. Winding takes place with film surface on the outside of both rolls on less than half floor space!

FEATURES & BENEFITS

- Programmable Logic Control with multi coloured touch screen provides simple and efficient control of winder
- Fully automated handling of winding shaft for upper and lower positions
- Unique change of roll ensuring uniform and enhanced handling of the new roll shaft as well as the finished roll
- Speed and torque monitored film tension control feed back from load cells
- The MSG /2A-VI winder is adaptable to future needs due to its open software programmable logic
- Enhanced film tension control and winding quality through an efficient interaction between the integrated secondary nip and the relevant load cells
- Optimal use of raw materials due to efficient and accurate film handling
- Integrated torque controlled double sided edge cutting equipment
- LV-95 knife for film division or edge cutting
- Digital display of film speed and film tensions in the various film locations
- Optional taper function for efficient and reliable film tension reduction with increase of diameter of finished roll

DESCRIPTION OF MSG /2A-VI

This winder combines a number of characteristics that together create economical and operational advantages:

- Efficient and reliable film tension control
- Roll change with fully automated film cutting
- Easy and simple operation

Operation of the winder takes place from a multi coloured display that operate and monitor all functions.

The display is Windows® based ensuring easy and simple operation eliminating need for time consuming learning.

The MSG /2A-VI winder is designed to handle thin cast or blown film. The surface winder is available in any width and height in accordance with production space on site.

Regarding choice of software and electrical components, the winder will be customer applied to meet individual preferences. This helps to assure swift training of operators and maintenance staff.

The frame of the winder is built from 30 mm steel plate with durable horizontal supports made from box section steel profiles. The frame has a man hole 800 mm allowing free access for inspection and threading.

The pneumatic operated secondary nip is monitored from the line speed signal from the haul-off nip, following the extruder settings (the desired film tension and speed).

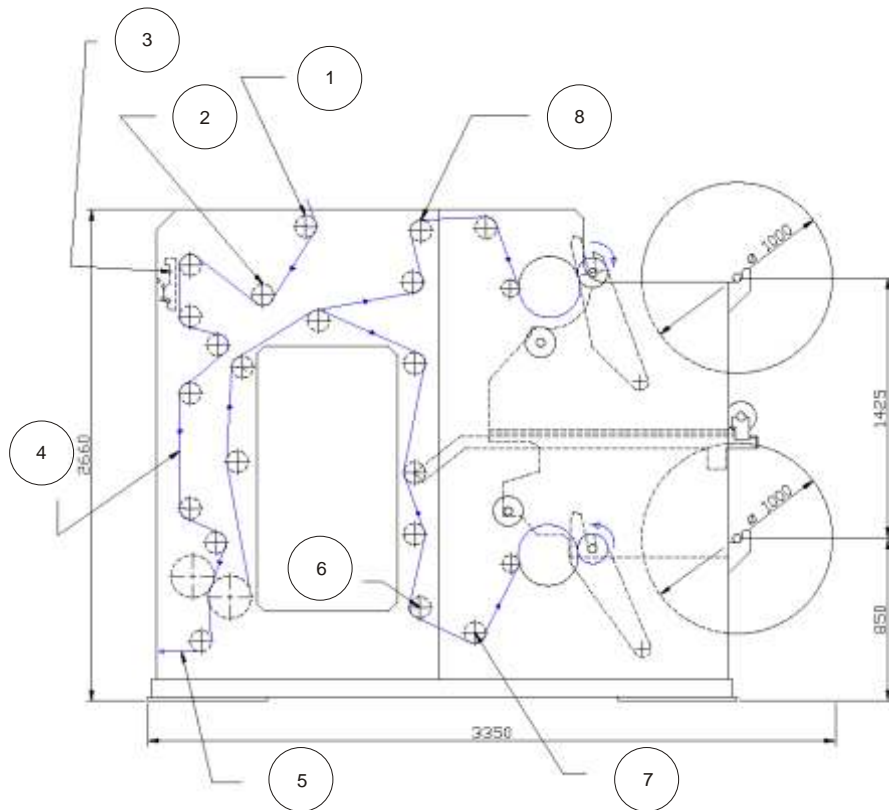
The web cut in connection with automatic roll change is made swiftly and with high precision by the pneumatic flying knife system. The finished roll is subsequently guided on the hardened rails by pneumatic pivot arms to reach its final position.

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Svend Knudsen Machinery
Specialized machines & equipment for the Plastic Processing Industry



SKM SURFACE WINDER - MSG /2A-VI



- 1) Precision Inlet Roller
- 2) STS - Stretch Roller
- 3) LV-95 Edge Cutting Device
- 4) Double Sided Edge Cutting System
- 5) Outlet Roller for Edge Trims
- 6) Tension Control - Load Cell
- 7) STS - Stretch Roller
- 8) Tension Control - Load Cell

Unique film flow assures easy and simple reconstruction of the film path.

TECHNICAL SPECIFICATIONS FOR MSG /2A-VI WITH INTEGRATED SECONDARY NIP

- Winder Type: Stationary stack surface winder
- Max./Min. Roll Dia.: 1000 mm/173 mm
- Max. Roll Width: 2600 mm
- Max. Roll Weight: 1800 kg
- Line Speed: 0-175 m/min.
- Film Tension: 0-500 N
- Material/Film Types: Designed for cast or blown films
- Winding Shaft Dia.: 6"/3" - 152 mm/76 mm
- Max./Min. Core Dia.: 6"/3" - 152 mm / 76 mm
- Air Required: 7.5 bar - 115 PSI
- Winding Principle: AC Flux vector surface drive

Main Dimensions MSG /2A-VI:

- Minimum Height: 2660 mm
- Minimum Length: 2850 mm
- Maximum Width: 3520 mm

Electrical Data and Specifications:

- Rated Voltage: 3 x 400Volts + N/PE
- Rated Frequency: 50 Hz
- Rated Current: 36 Amps
- Fuse Max.: 63 Amps
- Max. Short Circuit: 10 kAmps

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