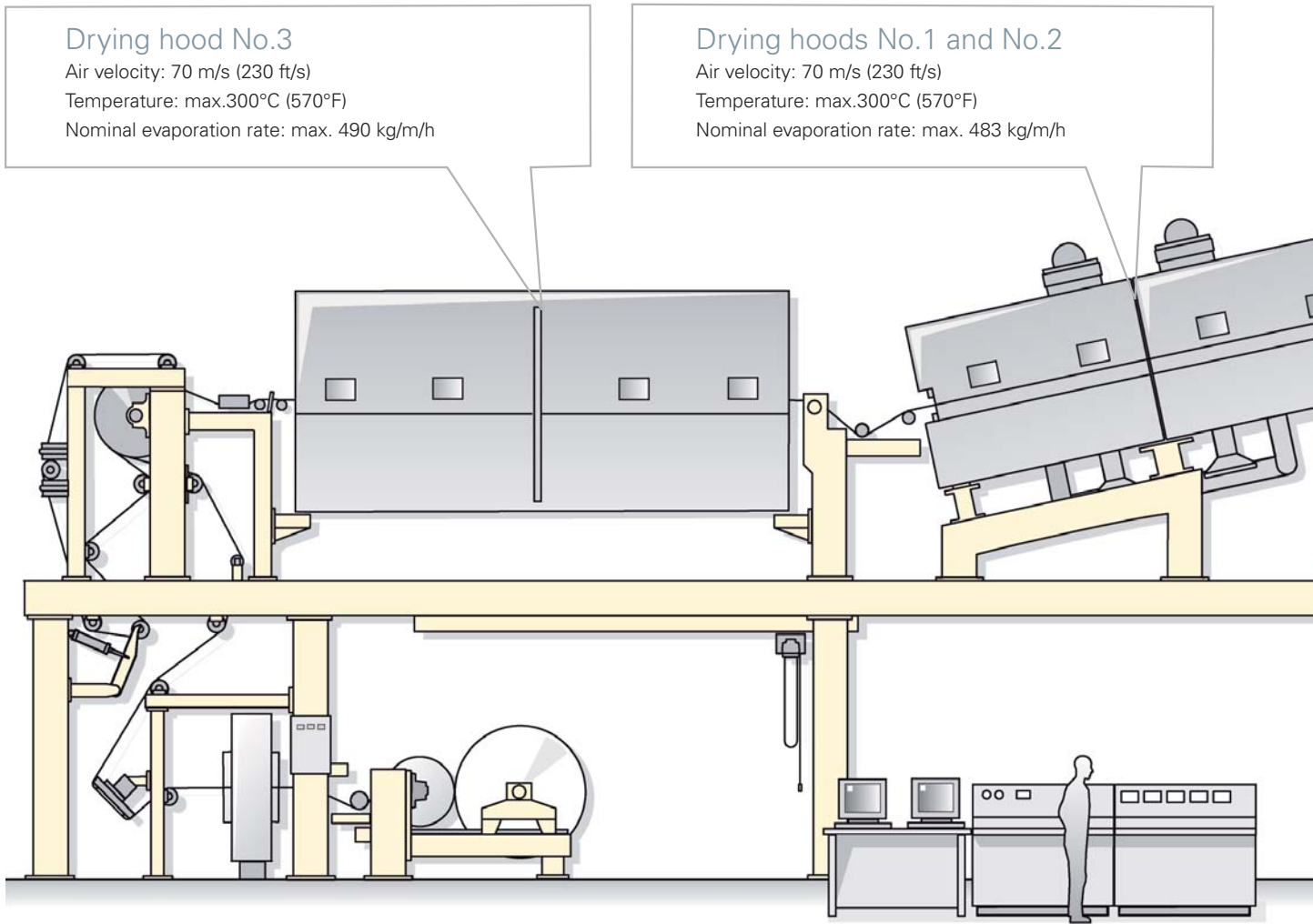


# Pilot Plant

The advanced pilot coating machine, for research and development.





Drying hood No.3

Air velocity: 70 m/s (230 ft/s)  
 Temperature: max.300°C (570°F)  
 Nominal evaporation rate: max. 490 kg/m/h

Drying hoods No.1 and No.2

Air velocity: 70 m/s (230 ft/s)  
 Temperature: max.300°C (570°F)  
 Nominal evaporation rate: max. 483 kg/m/h

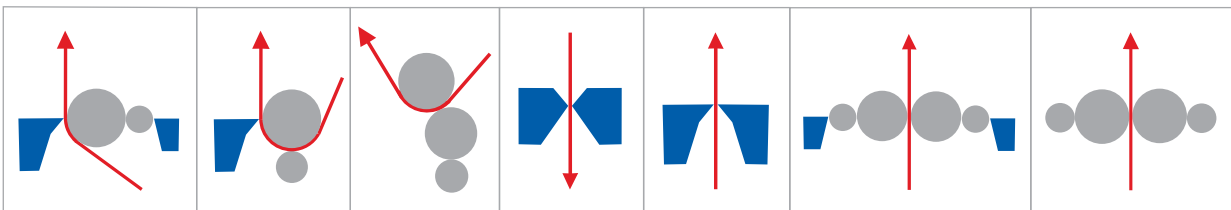
Base Roll Specification

Width: 500-590 mm (19.7-23")  
 Diameter: max 1.5 m (4.9 ft)  
 Core: 76 mm (3"), 70 mm (2.8") and 152.4 mm (6")

Coating Color Preparation

Cowles mixer: 250 l (66 USG), 5.5 kW  
 Stamo mixer: 1000 l (264 USG), 14.5 kW  
 Batch cooker: 400 l (105 USG), 2.2 kW

Coater units



ABC™ Gravure

ABC™ Coater

LAS®

TWIN™ ABC

TWIN™ ABC

TWIN™ Sizer  
Gravure

TWIN™ Sizer  
HSM

Installed: 1985  
Rebuild: 1998  
Drive system: Euroterm  
Machine speed: max. 2200 m/min

### Web turn

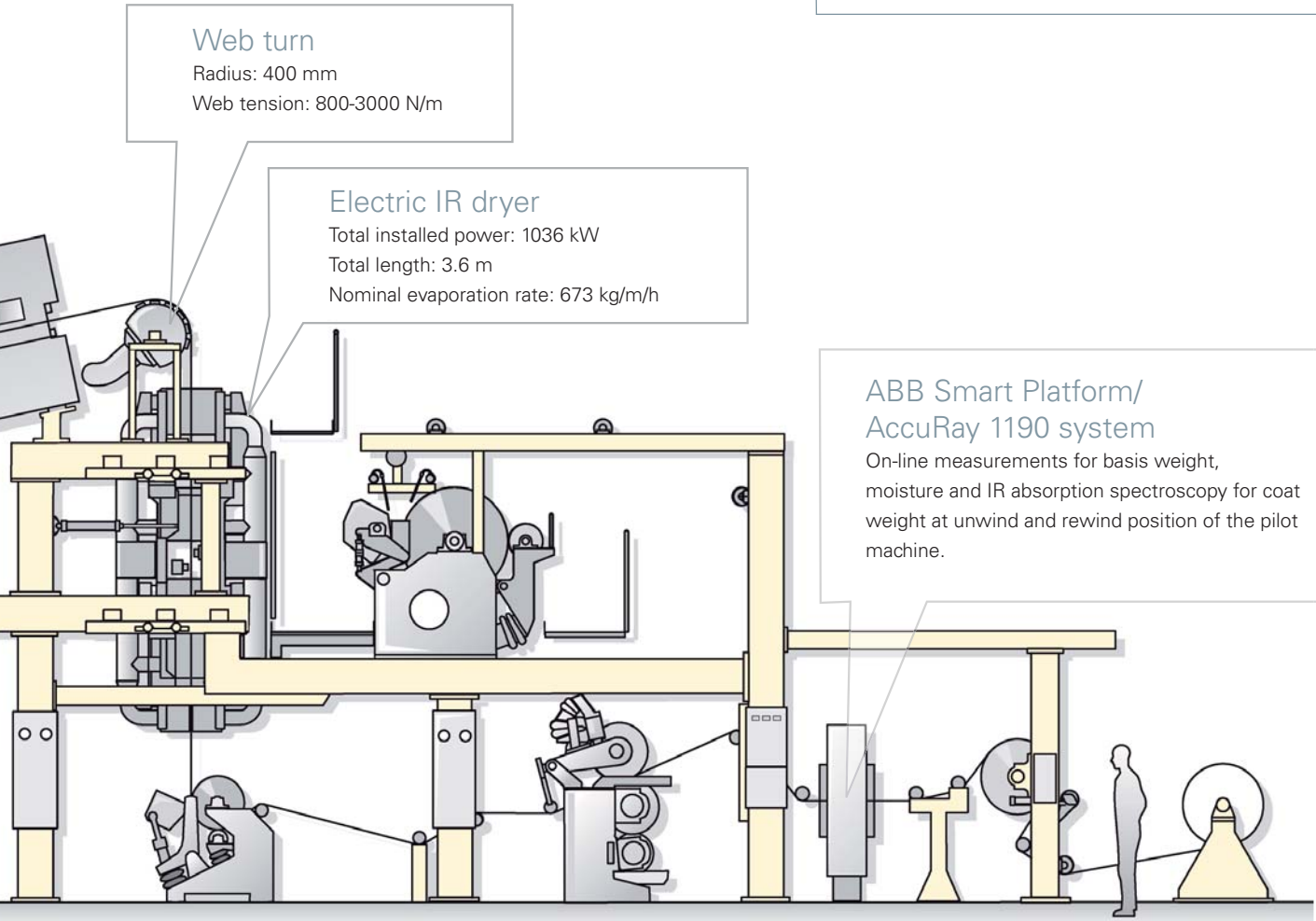
Radius: 400 mm  
Web tension: 800-3000 N/m

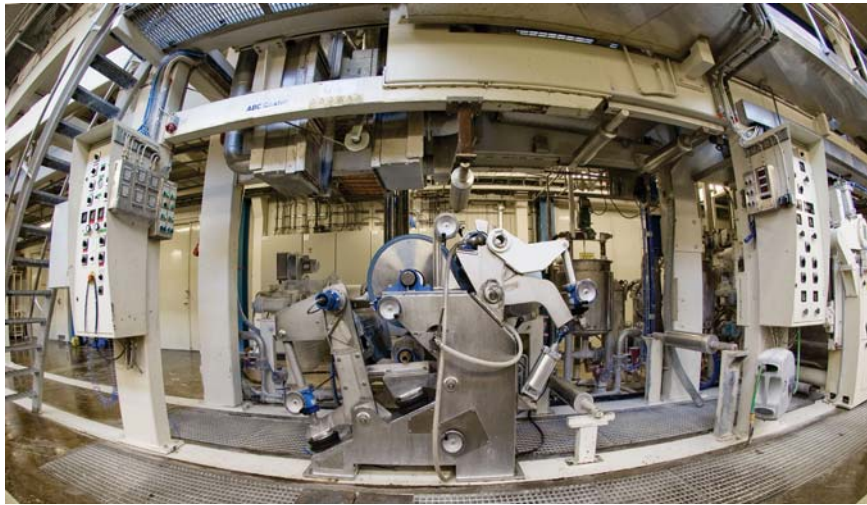
### Electric IR dryer

Total installed power: 1036 kW  
Total length: 3.6 m  
Nominal evaporation rate: 673 kg/m/h

### ABB Smart Platform/ AccuRay 1190 system

On-line measurements for basis weight, moisture and IR absorption spectroscopy for coat weight at unwind and rewind position of the pilot machine.





The development of state of the art coating and surface treatment technology has been our focus since 1967. This is why one of the worlds most advanced pilot coating machines for research and development is situated in Säffle Sweden.

Welcome to our Pilot Plant

**UMV Coating Systems AB**

PO Box 162, SE-661 24 Säffle, Sweden, Tel: +46 522 982 80, Fax: +46 522 983 23, [info@umv.mattsson.se](mailto:info@umv.mattsson.se)

**[www.umv.mattsson.se](http://www.umv.mattsson.se)**

*A company within*



TOTAL FOCUS ON COATING

**UMV** 