TEXTILE NONWOVEN PAPER PLASTIC

MECHANICAL

MEASURING FRAME TYPES

UNIVERSAL APPLICATION

KNOWLEDGE

We have a common goal: Maximum performance from your Mahlo System. To that end we are at your side, right from the installation of the equipment and advice on how to maintain it, through to the training of your employees. Our instructors get your people in shape in matters of operating and servicing. So that you can solve your problems even faster.

UniScan M / UniScan S

The UniScan M or UniScan S traversing frames are the single-sided counterpart to the double-sided O-frames of the WebPro series, and have been specially designed to accommodate the single-sided sensing devices of the Mahlo® QMS family. This single-sided arrangement enables the frame to be easily retrofitted to existing systems, with the measuring sensors arranged above, below or at the side of the measuring frame. Possible applications include film calendering, nonwovens, pulp drying, extrusion coating and the coating or impregnation of paper, cardboard, films/foils or textiles.

Customer benefits

- ✓ Easy to install and connect
- ✓ A minimum of upkeep and maintenance costs, along with high availability and long service life
- ✓ The ultra-precise carriage-guide mechanism guarantees really accurate measurements from the various sensors
- ✓ Accident-proof thanks to the continuous monitoring of motor current and integrated safety cutout

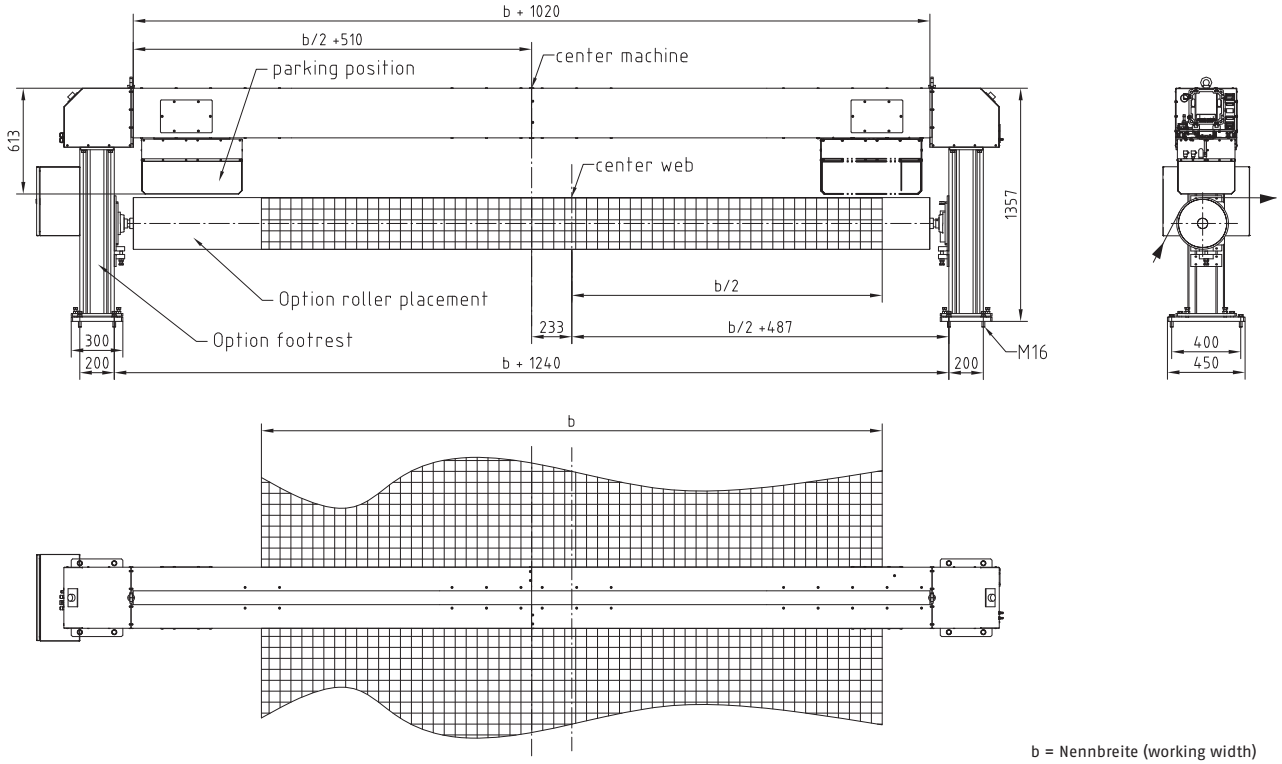
Product-highlights

- ✓ Intelligent scanning frame with integrated real-time computer
- ✓ Extremely rugged, mechanical construction assures trouble-free operation and long service life
- ✓ Maintenance-friendly design
- ✓ Available in several versions, tailored for the specific application
- ✓ Constructed with commonly available standard components to ensure optimum availability of replacement parts

TECHNICAL DATA | UNISCAN M

Scanning frame	UniScan M
Scanner width	Web width: 600 – 6400 mm
Scanning speed	30 – 300 mm/s
Sensor payload	Three sensors, mounted to the carriage
Scan location repeatability	± 250 µ (± 0.25 mm)
Operating temperature (without cooling)	0 – 45 °C
Cooling scanning frame	Air purging with cooled compressed air
Cooling sensors	Scanner is plumbed as standard for compressed air or liquid cooling (some components optional)
Intrinsic safety	1. Air purging to meet class 1, division 1 requirements U.S. National Electric Code (optional) 2. Purging & pressurization for explosion proof environments, according to ATEX zone 1 or zone 2, category 2
Power	230 V AC, 50 Hz or 115 V AC, 60 Hz (to be specified with order)
Interface	TCP/IP (Ethernet)

Dimensions

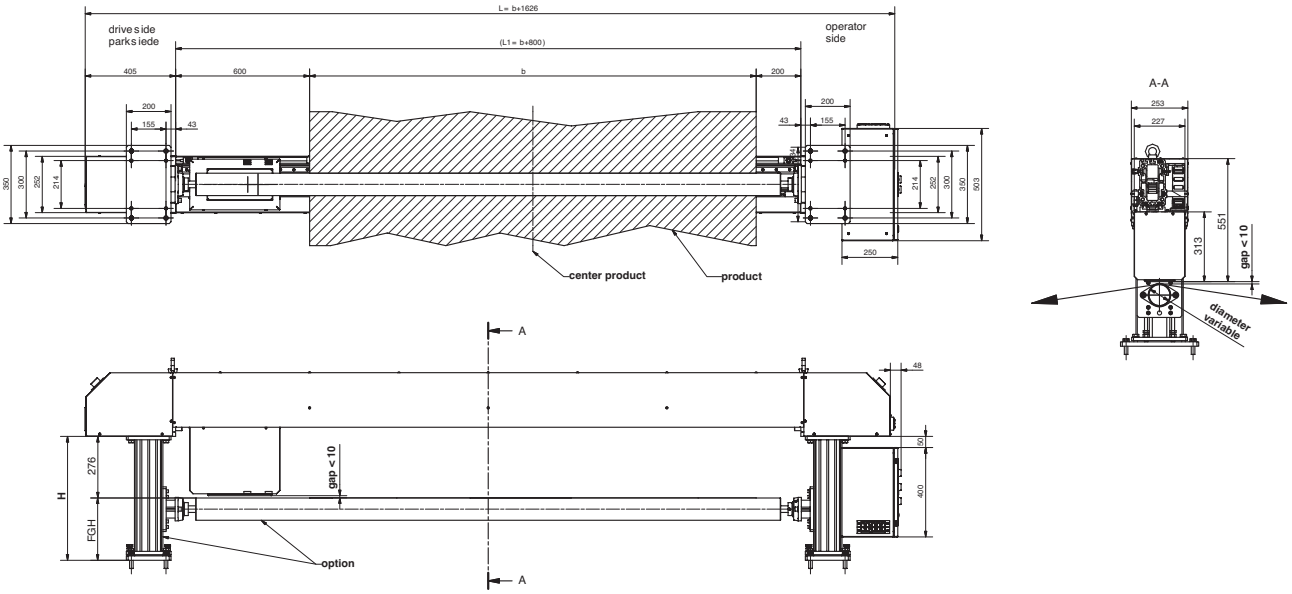


b = Nennbreite (working width)

Measuring frame UNISCAN M
for GRAVIMAT FMX sensor
91-013784

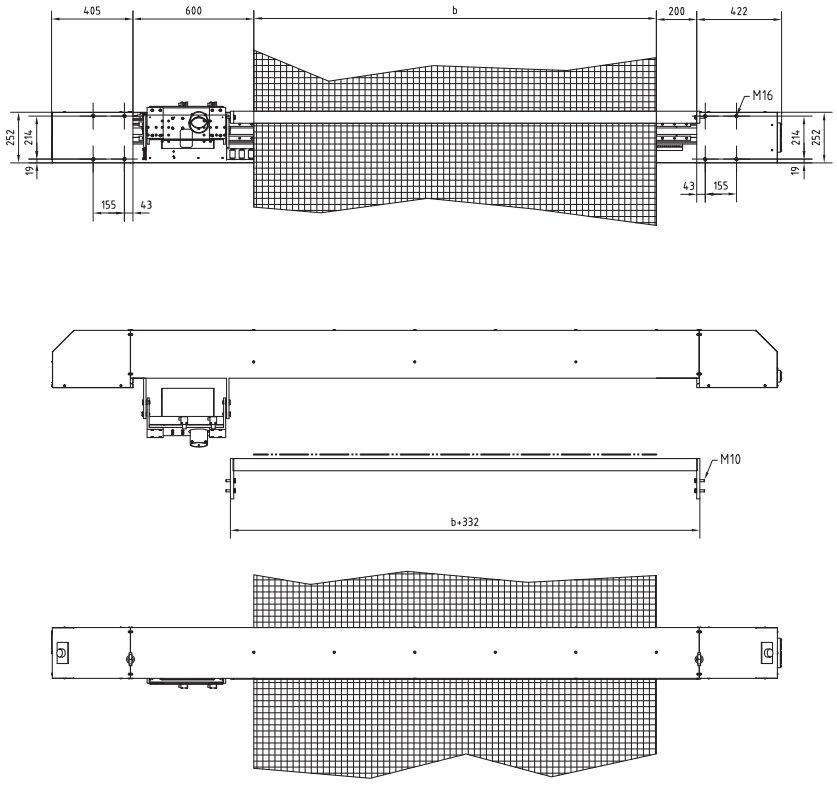
TECHNICAL DATA | **UNISCAN S**

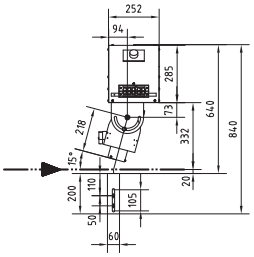
Scanning frame	UniScan S
Scanner width	Web width: 600 – 3400 mm
Scanning speed	30 – 300 mm/s
Sensor payload	One sensor
Scan location repeatability	± 250 µ (± 0.25 mm)
Operating temperature (without cooling)	0 – 45 °C
Power	230 V AC, 50 Hz or 115 V AC, 60 Hz (to be specified with order)
Interface	TCP/IP (Ethernet)



Measuring frame UNISCAN S for CALIPRO DML sensor
91-014959-02

Dimensions





b = Nennbreite (working width)

Measuring frame UNISCAN S for
INFRALOT IMF sensor
91-013511

DEVELOPMENT

To ensure high-performance capability and maximum customer benefit from our products, we rely on the latest technologies and maximum commitment to develop the products of tomorrow. So that the future can start for you today.