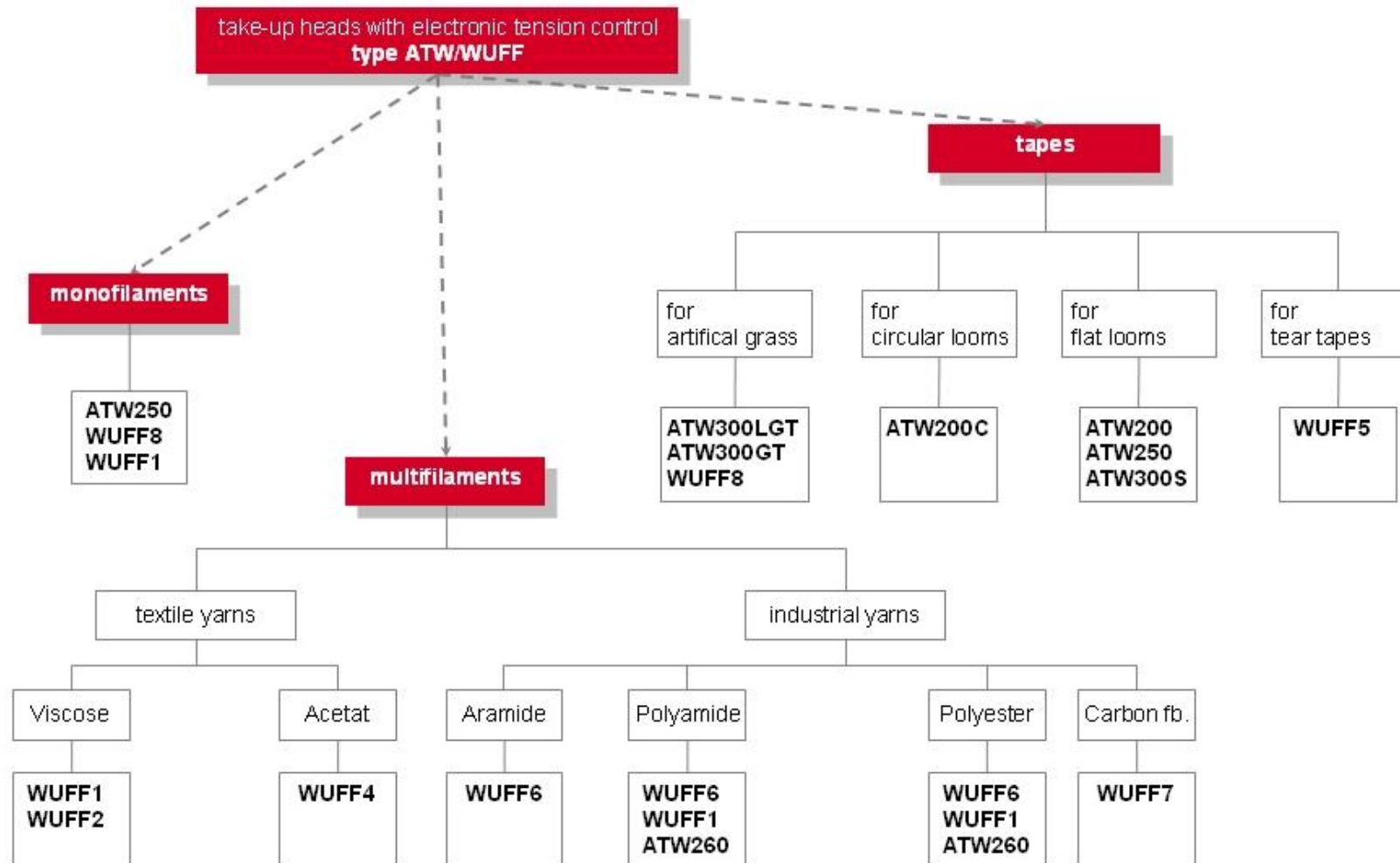


BARMAG-SPINNZWIRN GMBH

ATW.

take-up heads

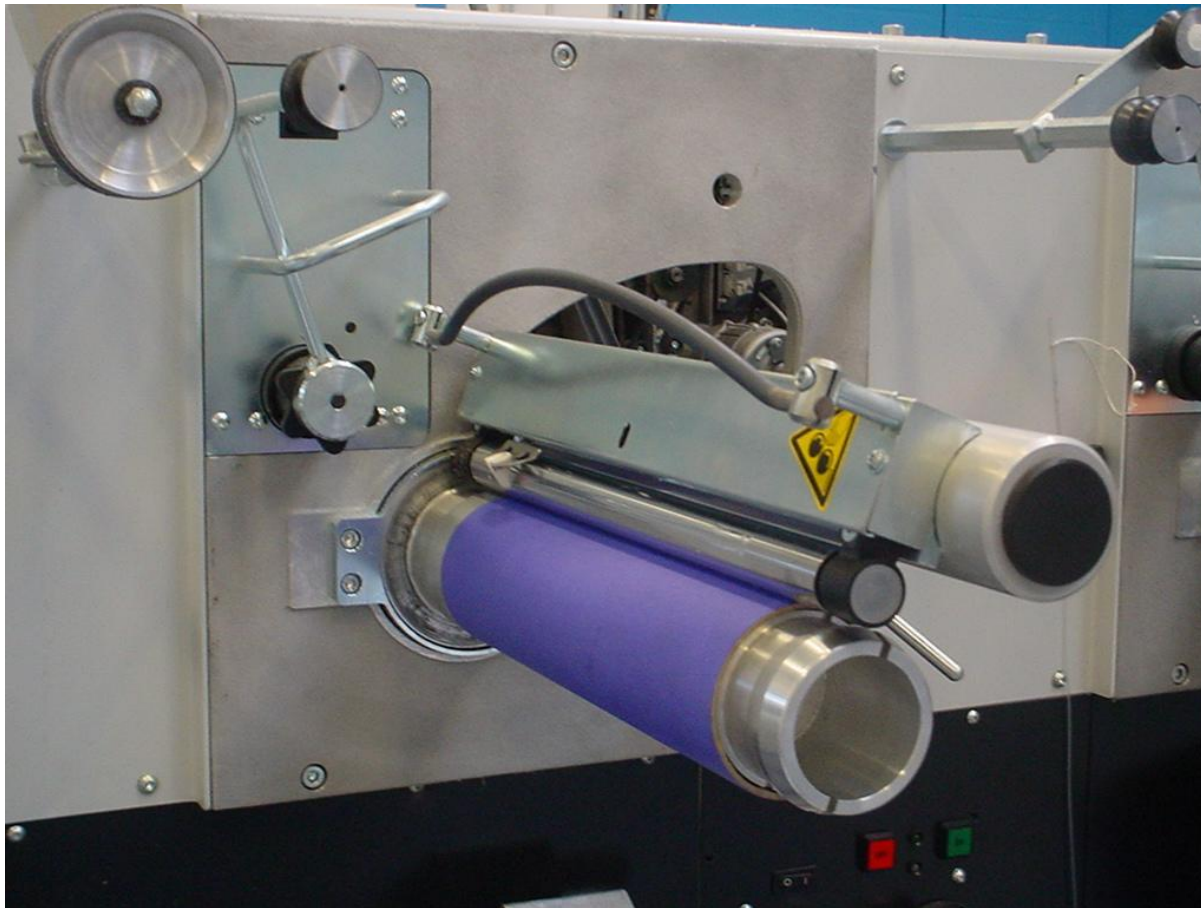
BSZ: ATW - WINDERS



BSZ: ATW - WINDERS

* Winder type	ATW200/250C	ATW200/250/300	ATW_S	ATW_GT/GTA
Package Diameter	max. 150 mm Stand. depending on process option 160 mm	max. 280 mm depending on process HDPE max. 260 mm	max. 320 mm depending on process HDPE max. 260 mm	max. 320 mm depending on process
Stroke	200/250 mm	200/250/300 mm	200/250/300 mm	200/250/300 mm
** Chuck ID	35/38 mm	82.5/90 mm	82.5/90 mm	82.5/90 mm
Denier Range	200 ... 3.000 dtex	200 ... 5.000 dtex	200 ... 10.000 dtex	200 ... 20.000 dtex
*** Take-up Speed	150 ... 400 m/min	180 ... 500 m/min	180 ... 500 m/min	75 ... 250 m/min
Standard Frame	6 levels high	4 levels high	4 levels high	4 levels high
**** Take-up Tension	40 ... 250 cN	40 ... 250 cN	40 ... 250 cN	250 ... 1.000 cN
Number of crossing ratios	1	1	2	1
<p>* max. values cannot be combined ** standard, other dimensions on request *** standard, other speeds on request **** standard, other tensions on request</p>				

BSZ: ATW - WINDERS



ATW
take-up head

BSZ: ATW - WINDERS – TECHNICAL DATA

Electrical power consumption	0.060 kW/h per winder
Number of timing belts	2 pieces between motor and traverse cam shaft, -LGT 3 pieces
Motor	3-phase AC motor
Tape yarn tension control	Electronic via dancer arm
Cooling of motor	Not required because of electronic drive controller

BSZ: ATW - WINDERS – TECHNICAL DATA

Traverse thread guide

Steel with ceramic insert, alternatively specially-treated steel for very long lifetime

Maintenance and spare parts requirement

low because of small number of individual parts and the high quality of parts

Meter counter

Including visual signal on each take-up head for packages with equal yarn length

BSZ: ATW - WINDERS – TECHNICAL DATA

Adjustment of winder speed for bobbin changes

Doffing speed is fully and automatically synchronized with speed of last stretching unit of tape line

Doffing speed is about 5% up to 8% faster than tape speed to make bobbin changes easy and safe

Traverse cam shaft and guiding piece

Traverse cam shaft made of high-quality material with double groove, guiding piece made of special plastic material with two guiding tips

BSZ: ATW - WINDERS



BSZ: ATW - WINDERS

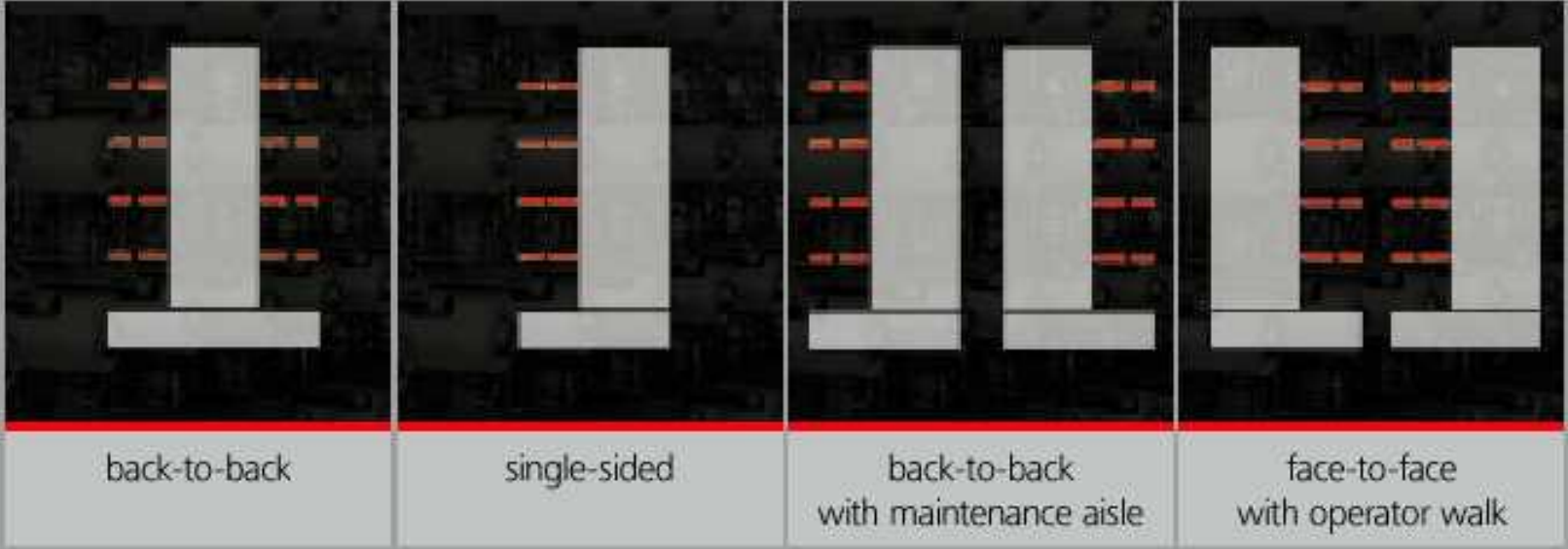


BSZ: ATW - WINDERS



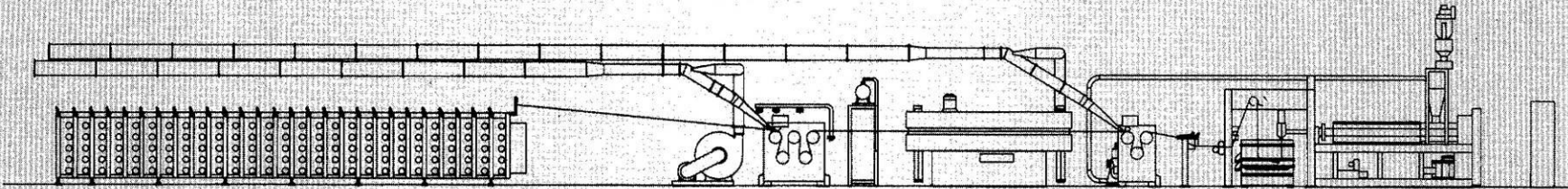
BSZ: ATW - WINDERS

Required frame version



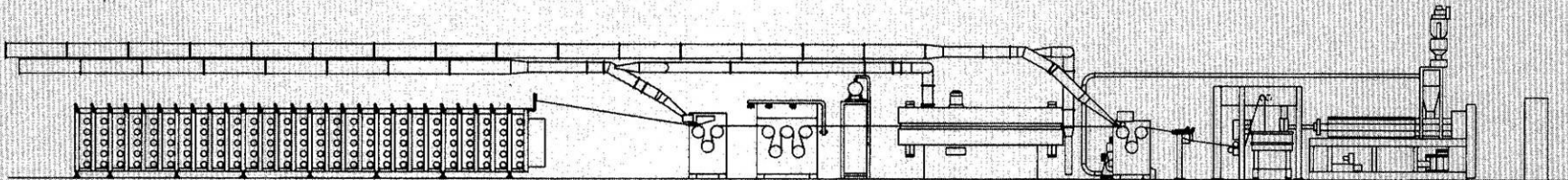
BSZ: LINE TYPES PARADE

EVOTEX II 600 / EVOTEX II 1000 / EVOTEX II 1300 / EVOTEX II 1600



Products: woven bags, knitted bags, tarpaulins
Extrusion capacity: up to 180 kg/h, up to 550 kg/h
Winding speed: up to 450 m/min

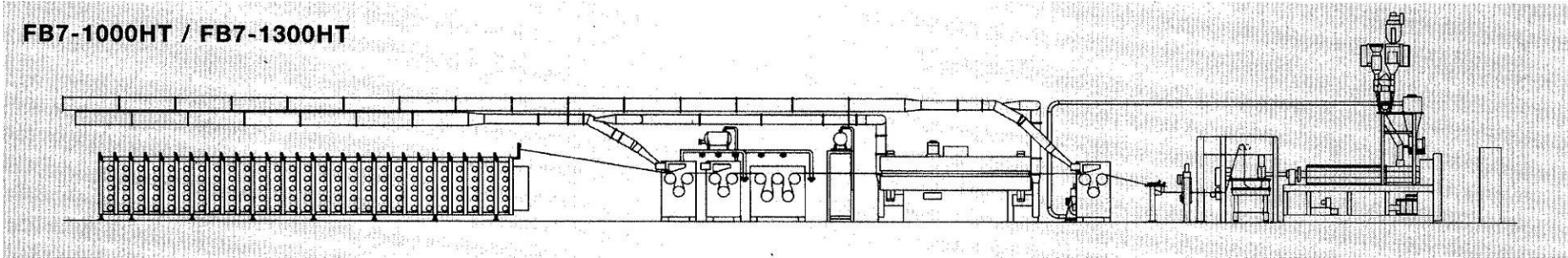
FB7-1000WS-300 / FB7-1300WS-300 / FB7-1600WS-300



Products: woven bags, big bags, technical fabrics, carpet backing
Extrusion capacity: up to 550 kg/h
Winding speed: up to 450 m/min

BSZ: LINE TYPES PARADE

FB7-1000HT / FB7-1300HT

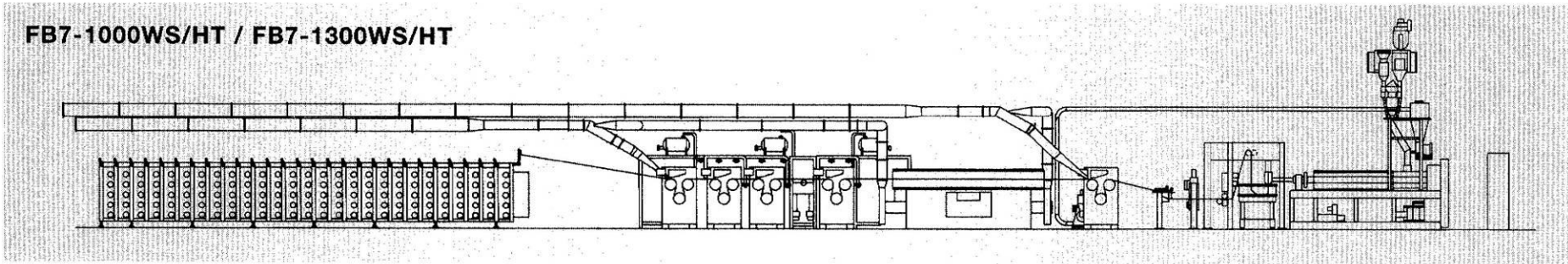


Products: flat woven big bags, geotextiles

Extrusion capacity: up to 550 kg/h

Winding speed: up to 350 m/min

FB7-1000WS/HT / FB7-1300WS/HT



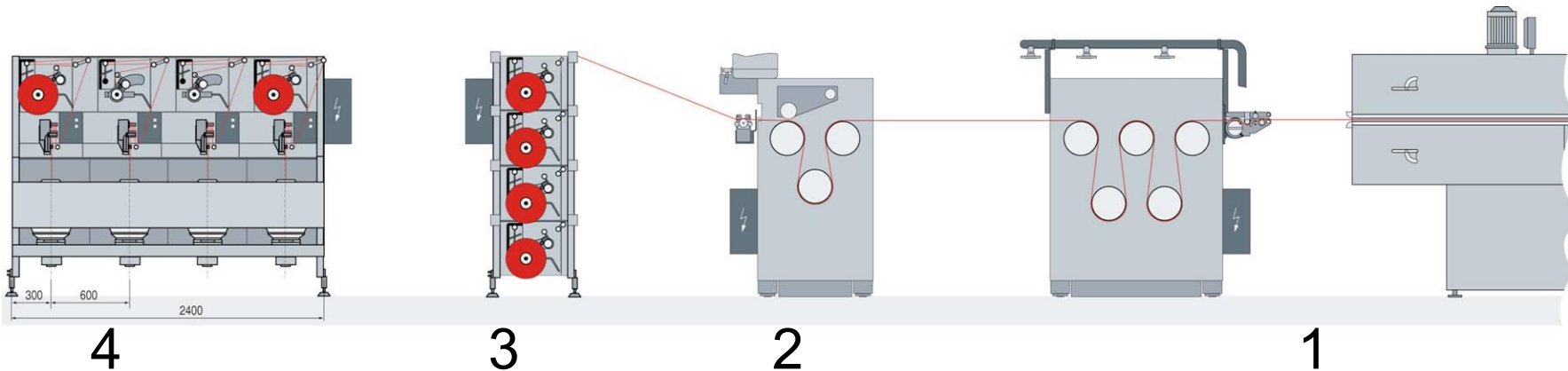
Products: carpet backing flat wovens, containers bags, geotextiles

Extrusion capacity: up to 550 kg/h

Winding speed: up to 350 m/min

BSZ: SEWING YARN COMPONENTS

436 tons/year PP-sewing yarn, 1100 dtex, 50 T/m*

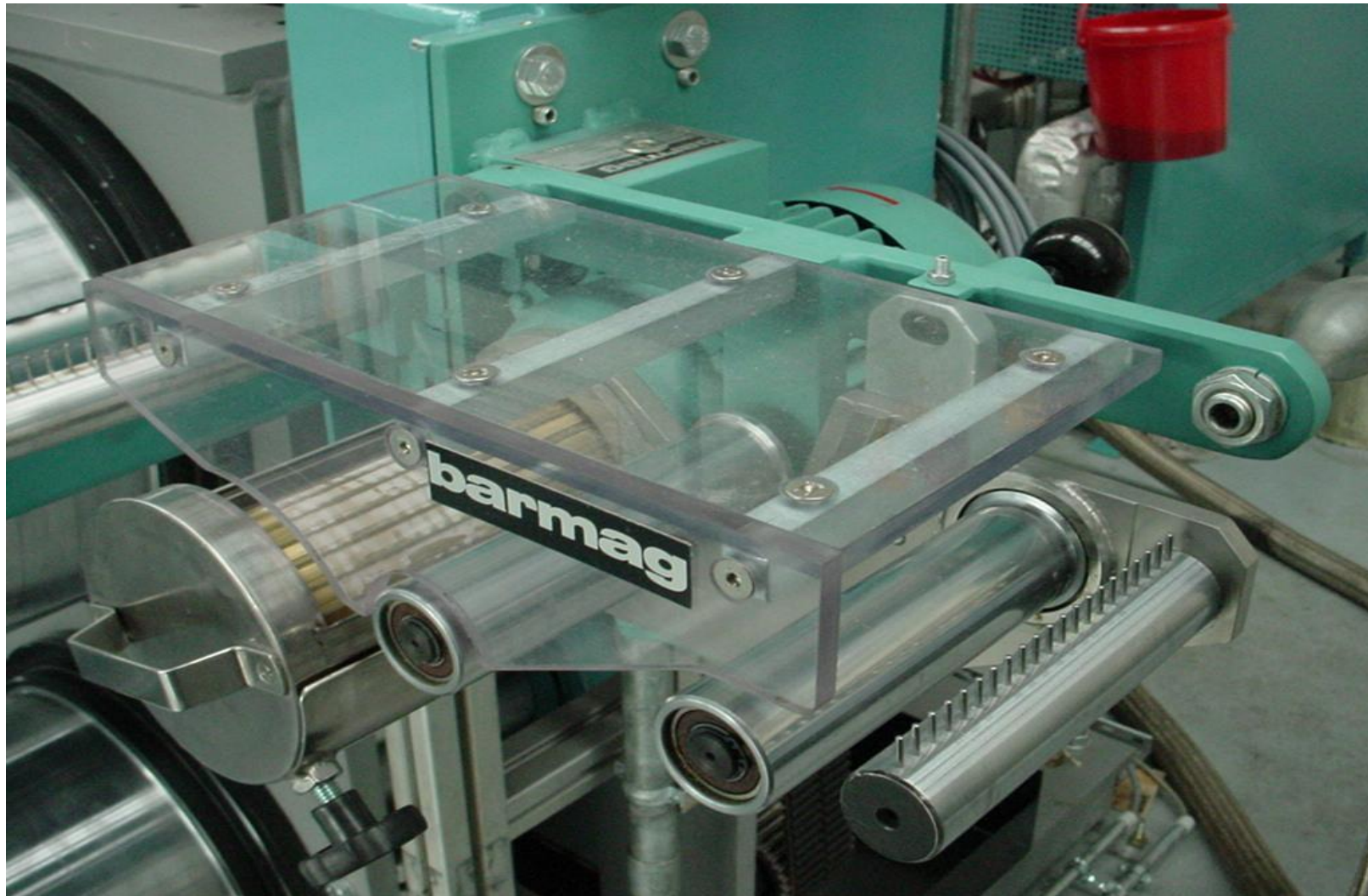


4 For the production of this sewing yarn quantity, you need an adequate quantity of PP-tapes, 1100 dtex, tape with 3.0 mm which have to be fibrillated, oiled and twisted.

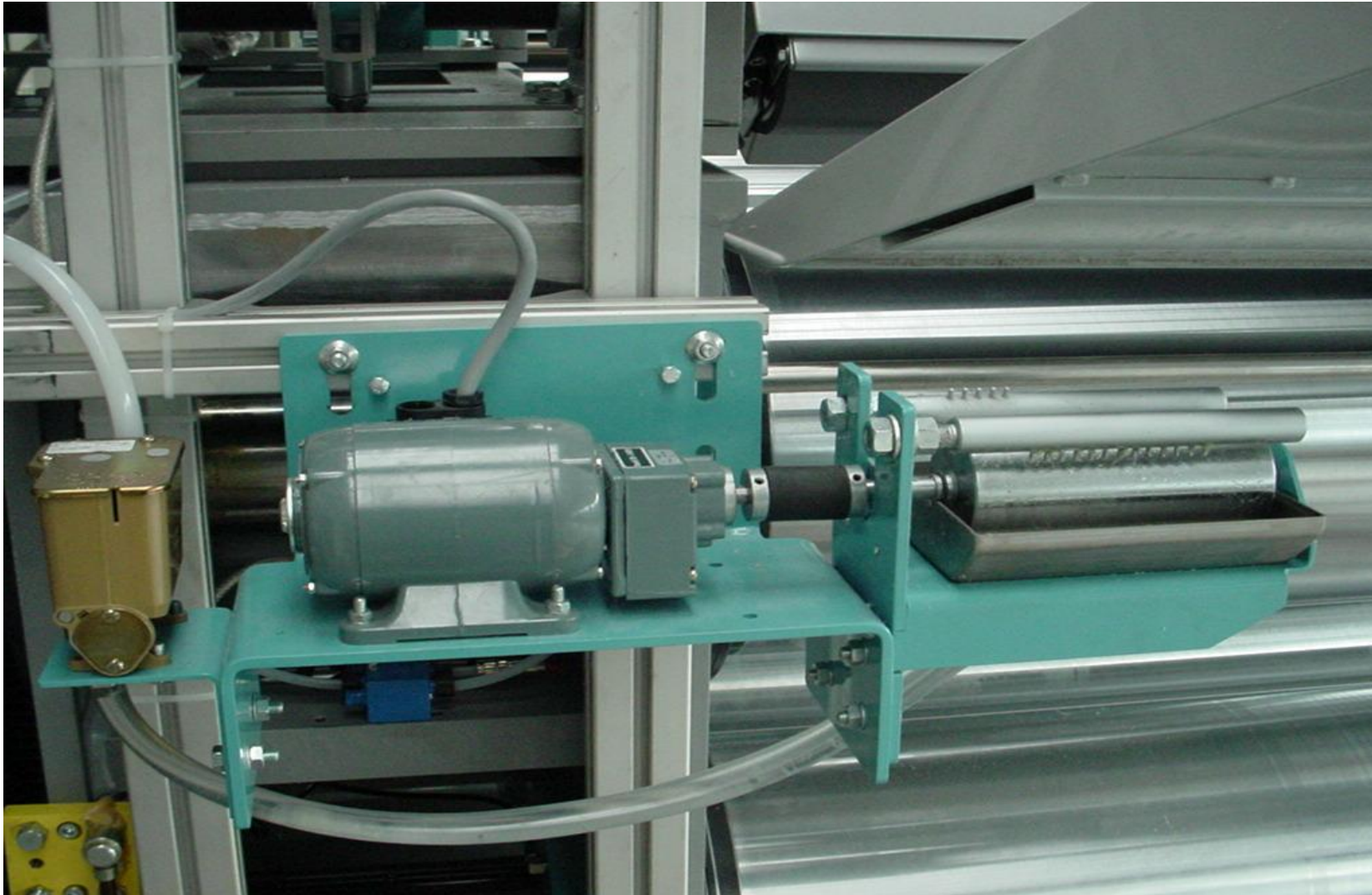
4 For this purpose, you need the following additional equipment:

* Values cannot be guaranteed - depend on various parameters.

BSZ: SEWING YARN COMPONENTS - MINIFIB



BSZ: SEWING YARN COMPONENTS - MINIPREP



BSZ: SEWING YARN COMPONENTS - ATW WINDERS



BSZ: SEWING YARN COMPONENTS - DD2000 TWO-FOR-ONE TWISTER

