

SML *EXTRUSION TECHNOLOGY*

COEXTRUSION CALENDERING LINE
for PC, PLA, PMMA, PETG

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COEXTRUSION CALENDERING LINE

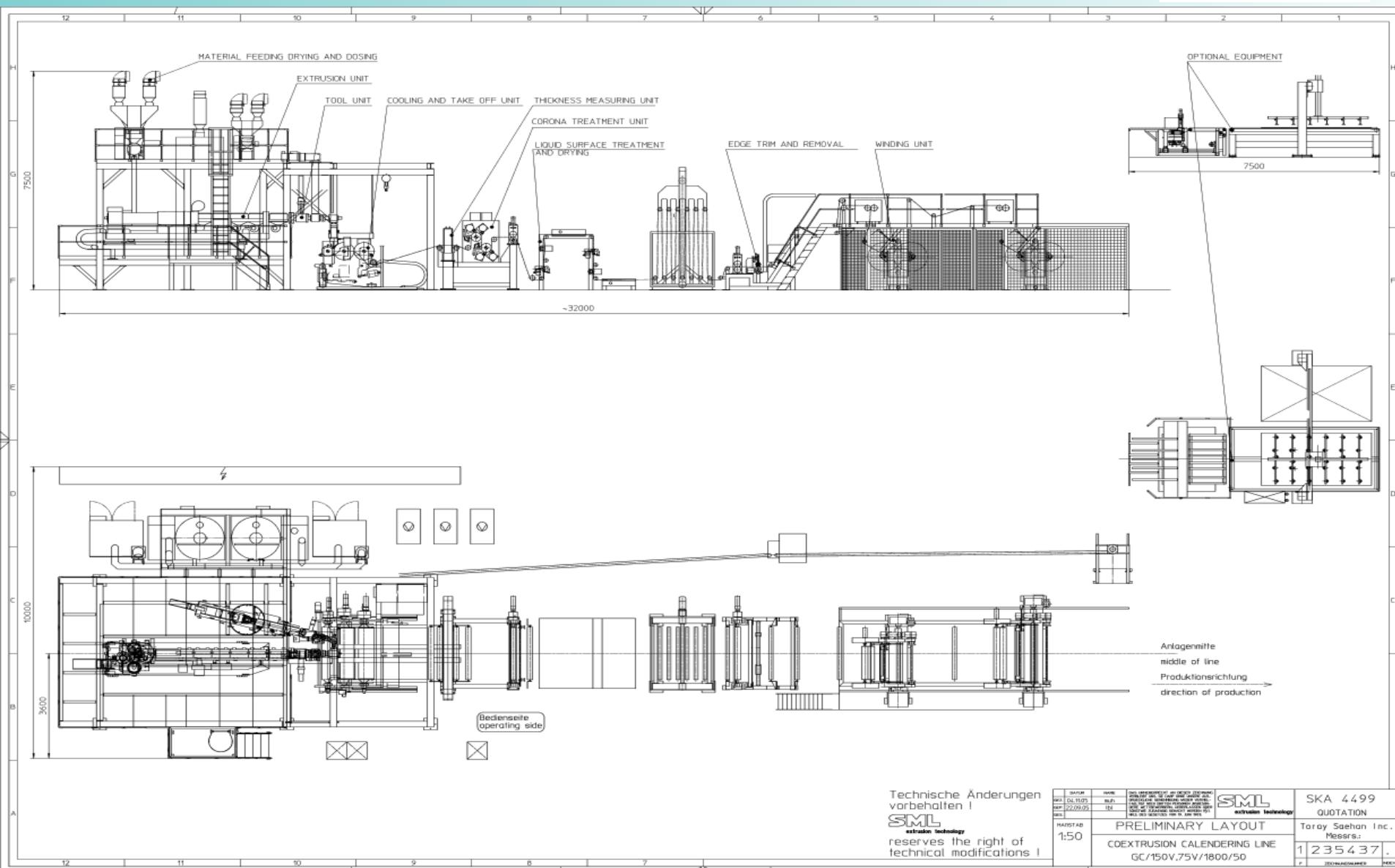
for PC, PLA, PMMA, PETG - TYPE: GC/150V,75V/1800/50



• Extruder "A"		150V/33	L/D	
• • Extruder output max.	PETG	1050	kg/h	
•	PMMA	2nd screw	640	kg/h
•	PLA		900	kg/h
• Extruder "B"		75V/33	L/D	
• • Extruder output max.	PETG	300	kg/h	
•	PMMA	2nd screw	160	kg/h
•	PLA		250	kg/h
• Coex Structure	3 layer	B / A / B	10 / 80 / 10 %	
•		B / A / B	25 / 50 / 25 %	
• Film thickness range			150 - 1200	µm
• Final film width depending on film thickness max.		1600	mm	
•		or max.	2 x 800	mm
• Technical Data				
• • Flat die lip width Die # 1		1800	mm	
• • Flat die lip width Die # 2		1300	mm	
• • Roller width		1800	mm	
• • Calendering roll	C0 Ø	370	mm	
• • Chill roll	C1 Ø	600	mm	
• • Chill roll	C2 Ø	600	mm	
• Max. mechanical speed		50	m/min	

3-Layer PC, PLA, PMMA, PET-Coextrusion unit

The logo for SML Extrusion Technology. It features the letters 'SML' in a large, bold, teal-colored font with a 3D effect. Below 'SML', the words 'EXTRUSION TECHNOLOGY' are written in a smaller, teal-colored, sans-serif font.



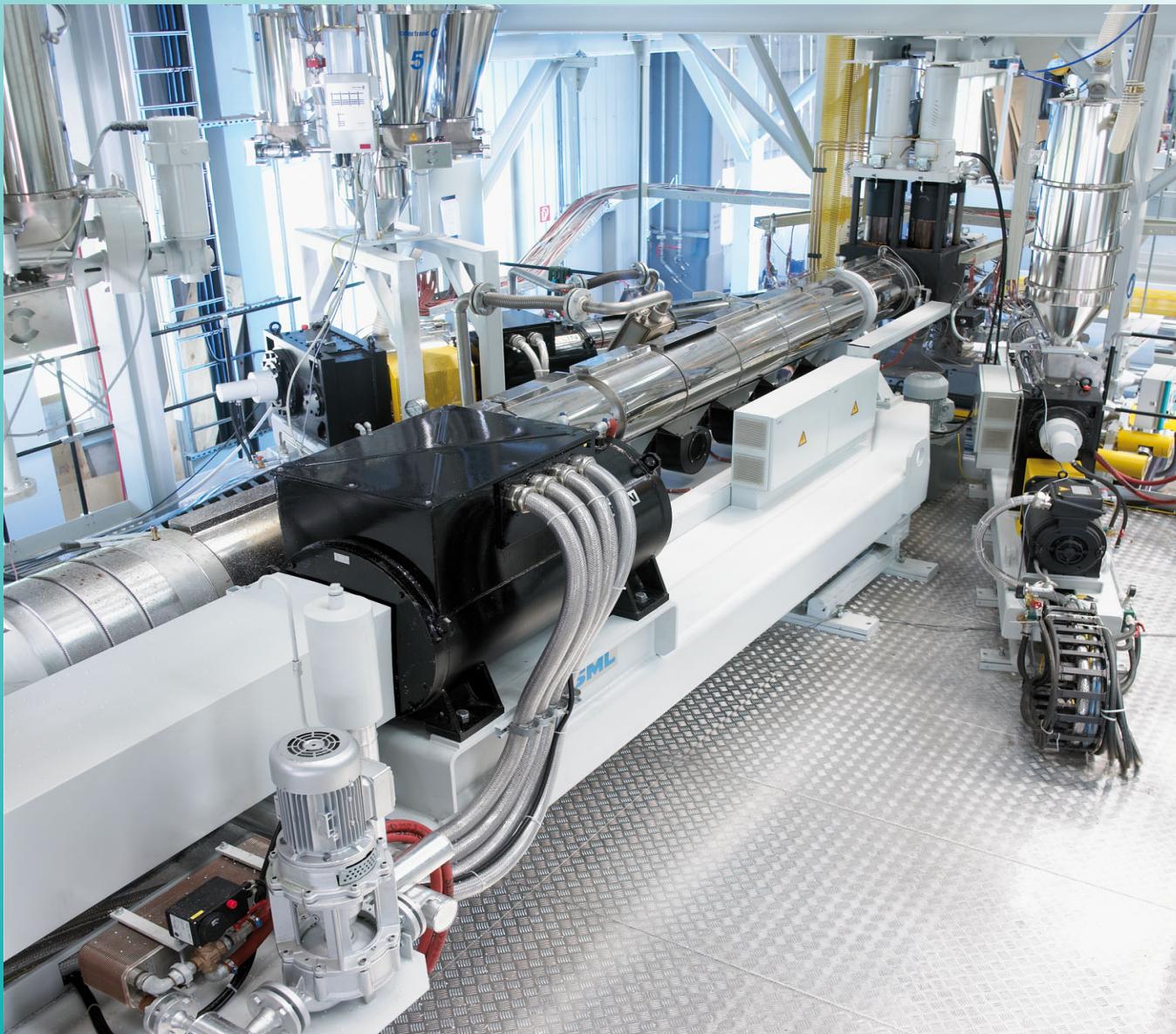
EXTRUDER Ø 150 x 33 L/D and Ø 75 x 33 L/D

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EXTRUDER GROUP

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TOOL UNIT

Filter: continuous hydraulic screen changer, 2 pistons

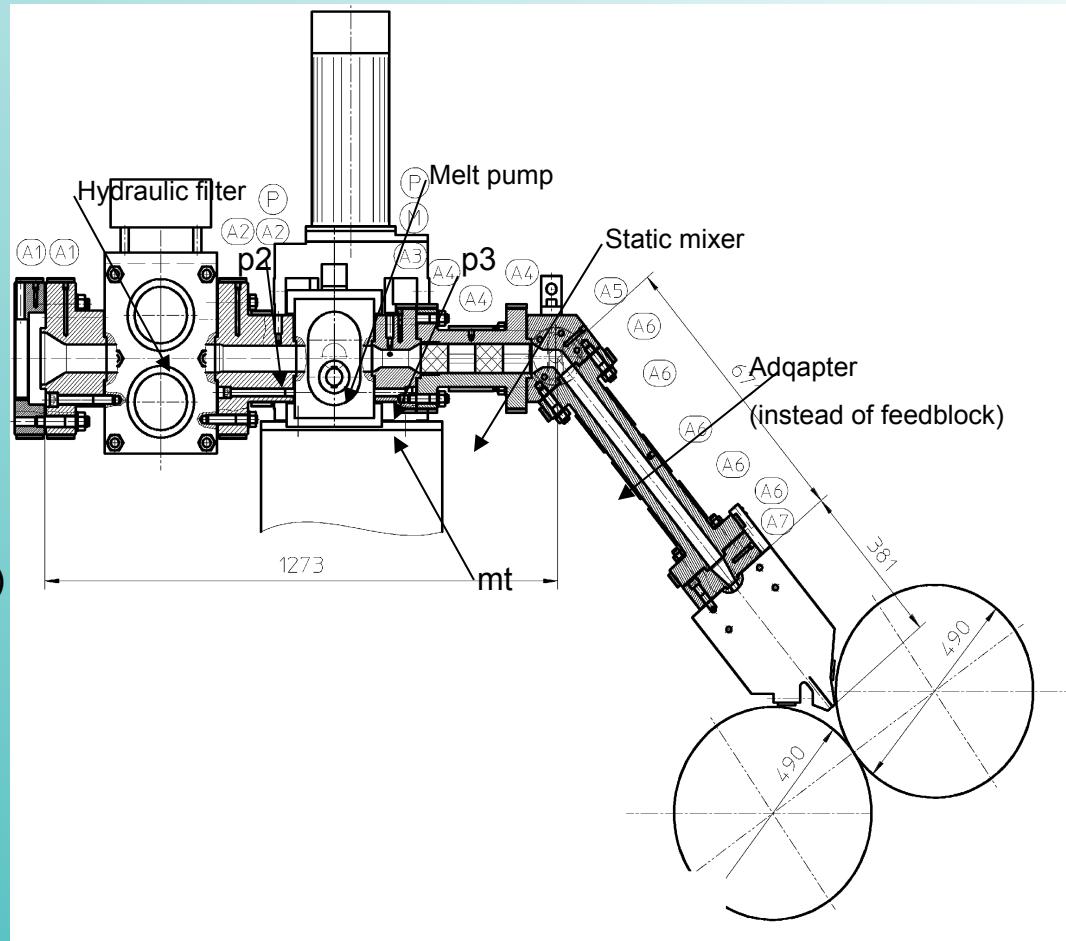
(25/100/400/400/400/100/25 mesh/inch)

Melt pump:

conv. Vol. 350 and 180 cm³/rev. (Motor, gear box on a separate stand to reduce vibrations)

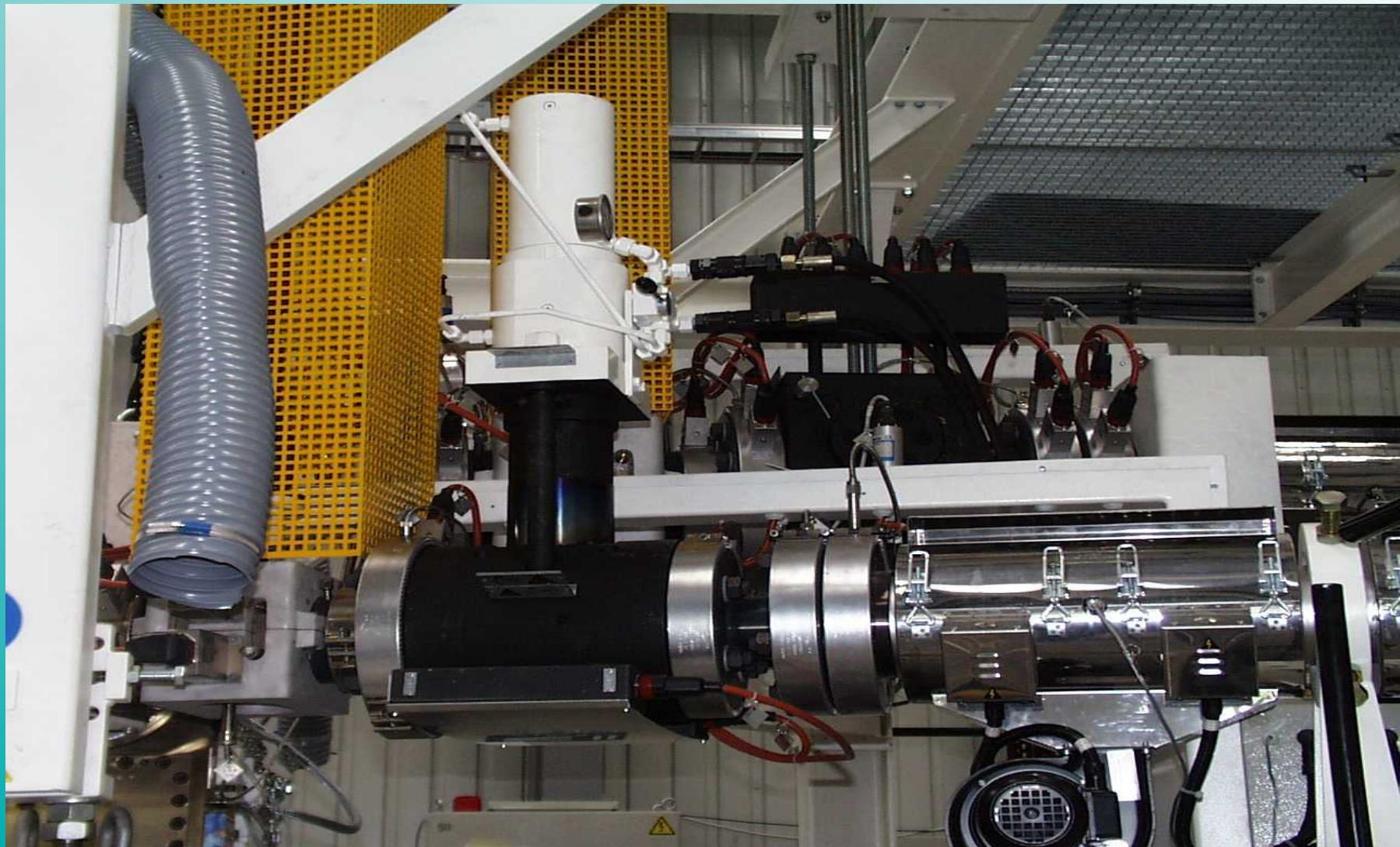
Static mixer

Adapter with heating zones



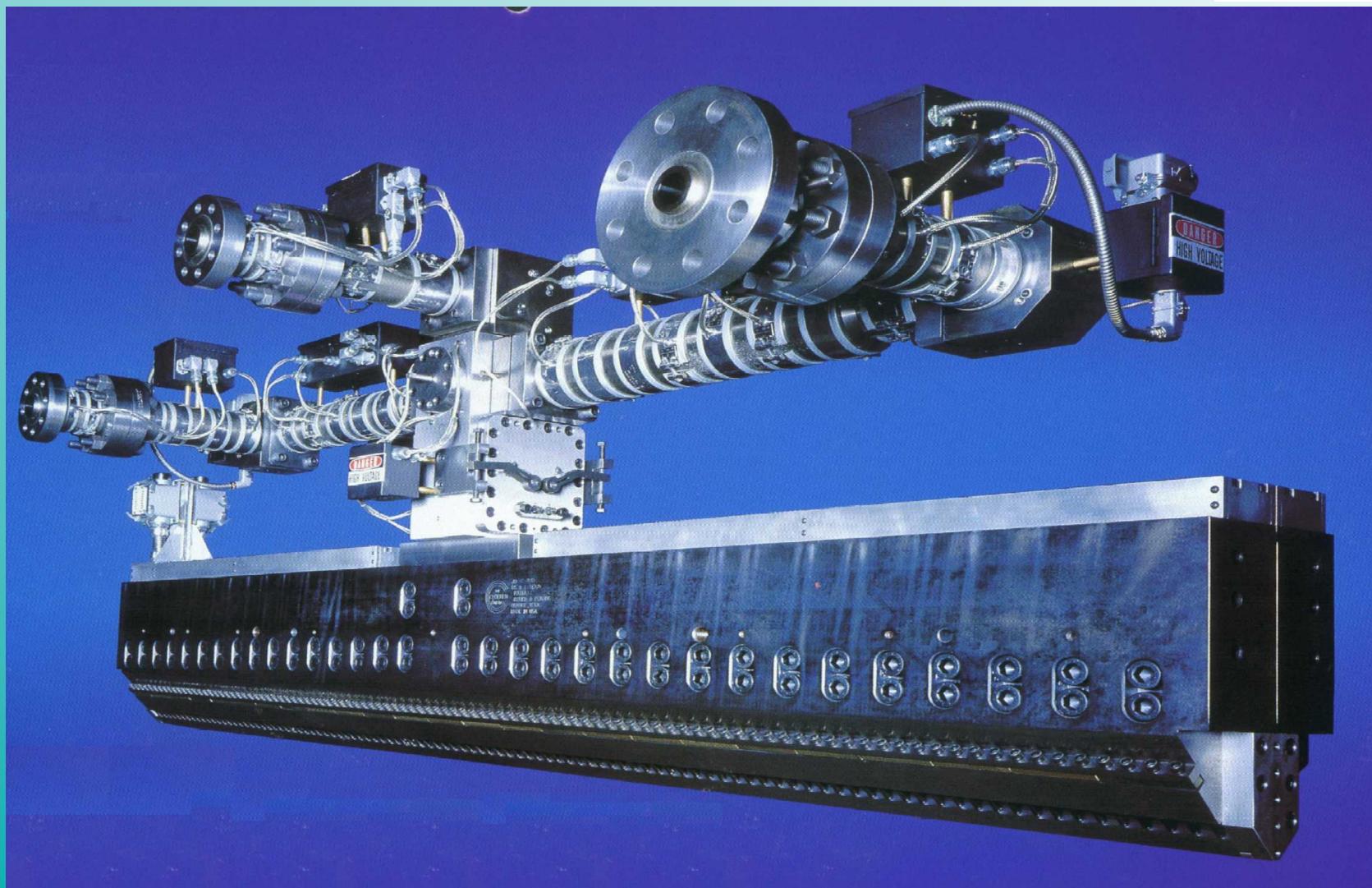
Screenchanger and melt-pump

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Feedblock - Die

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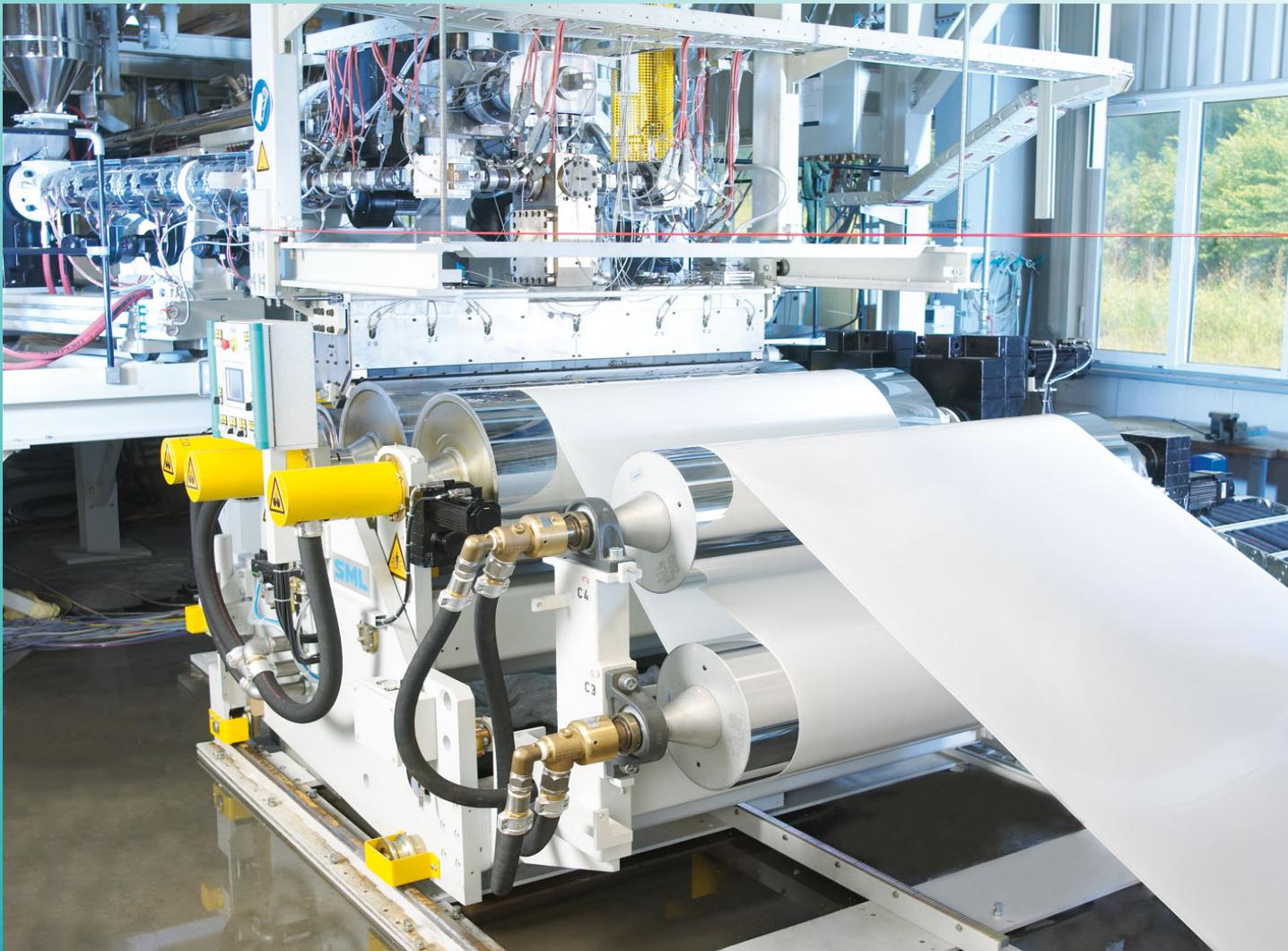
Horizontal calendering unit

- 👉 "New style"
- 👉 For cast and calendered film
- 👉 thin and thick sheets
- 👉 PET, PC, PMMA, PP, PS, PLA
- 👉 lamination film
blister
thermoforming film
for cups, lids, trays,
- 👉 **films for optical
applications**



Horizontal calendering unit

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Automatic Thickness Measuring System



Automatic film thickness control
in combination with coextrusion die

Corona pretreatment unit



WEKO rotor damping system type RF-Compact III

2 pces Central supply unit

Liquor tank, submerged shaft pump with RPM regulated speed control, pneumatic components, filter, attached **electric cabinet** with all electric components, input voltage selectionned according to the connection possibilities, spray quantitiy controlled in a closed controled loop, autom. rinsing and cleaning programm, autom. adjustment of the amount of liquor, according to the machine speed, Digital-Tacho with standard cable 10 m or machine signal 0-10V resp. 4-20 mA, **Master control**, incl. control and regulation unit with all operate, control and surveillance components, cable with plug (length 10 m). Power supply: 400 V / 50 Hz / 3 Ph

2 pces Pumping of residual liquor back into preparation tank

2 pces Rotor carrier

Rotor carrier with 16 rotors, rotor type 1/6, max. spray width **1680 mm**, for application on one side of plastic film, constrictor tubes with diameter 1,0 mm, central liquor supply pipe and central cleaning pipe with nozzles for the cleaning of the rotors and the rotor carrier.

2 pces Collector tray with pneumatic in- and outfeed

Stainless steel tray for collect of liquid sprayed beyond the web edge or in the case of permeable materials through the web, collected to the liquor tank

2 pces Flat belt monitoring incl. signal lamp

For monitoring the belt breakage of both rotor carriers

2 pces Pumping out of residual liquor

For the separate pumping out of the residual liquor in the tank

2 pces Control terminal interface

Synchronization of shutter with the smoothing roll and the pneumatic in- and outfeed collector tray

2 pces Smoothing-Roll Unit

To obtain an even liquid film on the surface of the plastic foil.

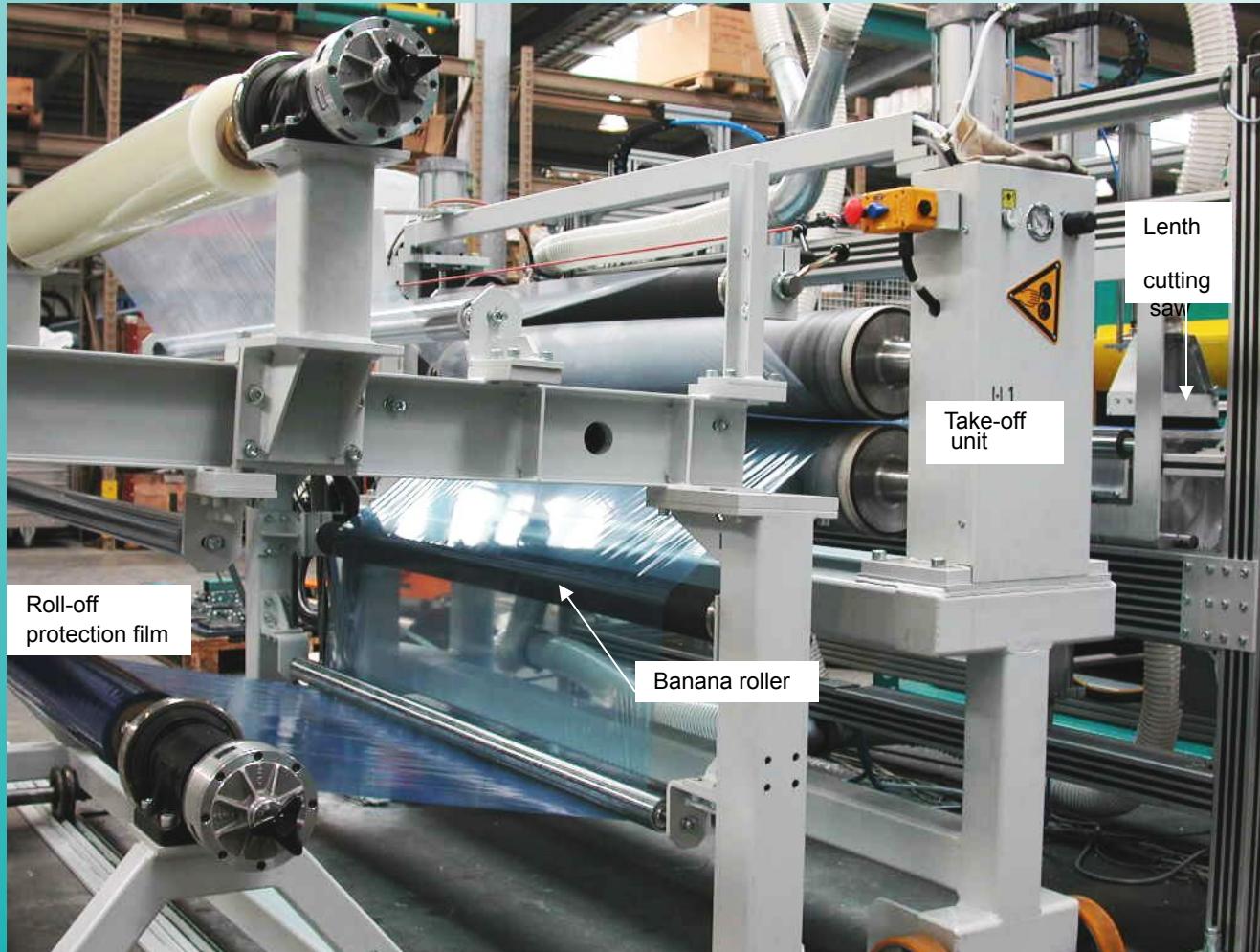
Smoothing Roll (width 1700 mm, diameter 113 mm, Stainless Steel polished), with build in driving motor, pneumatic in feed equipment and operating panel.

2 pce Dryer

Complete drying unit with max. drying capacity of 6g/m² per side by a machine speed up to 50m/min. Including control unit and terminal interface.

OPTION: Haul-off devices for protection film

(Lifting device recommended)



Turret winder Series 900 with take off unit and accumulator



Option: Automatic Turret winder Series 1100



Edge Trim Cutting and Removing



Option: Automatic Turret winder Series 1100



OPTION: Cross cutting saw and stacker



THANK YOU!

