

PREXIMA

TABLET PRESS MACHINES FOR PHARMACEUTICALS



PREXIMA



ALL OUR SKILLS. COMPRESSED.

Years of experience and expertise in the industry have been carefully channelled into PREXIMA, the new series of tablet press machines.

Powered by IMA Active's knowledge of the sector, designed with unique Italian style, built to deliver top-level performance, PREXIMA will drive your productivity to a higher level of efficiency.



- ISOLATION OF THE PROCESSING AREA
- EXCELLENT ACCESSIBILITY
- QUICK TURRET REMOVAL
- ROBUST STRUCTURE
- OPTIMIZED LUBRICATION
- LOW NOISE LEVEL
- XIMA HMI FOR ENHANCED USABILITY

PREXIMA SERIES



ISOLATION OF THE PROCESSING AREA

PREXIMA ensures complete separation between processing and mechanical area thanks to the use of seals and protections designed on purpose. Bellows for enhanced isolation are available on request.

Limited surfaces in contact with the product reduce cleaning times and avoid cross contamination. Machine life cycle is longer and cams, tooling and compression rollers have an extended duration. A long-term investment.

EXECUTION AVAILABLE UP TO OEB 4

EXCELLENT ACCESSIBILITY

A smart design leads on to great accessibility: straightforward operations, easy inspection and cleaning. Placed in a machine corner, the exit chute allows to open all the panels without disconnecting the auxiliaries.

The processing area is fully accessible once opened the external doors, while cams, rollers and all the other components of the mechanical area are immediately accessible after having removed the side protections in the process area.

Access to the machine basement is required only for maintenance and is not necessary for machine set up, changeover and cleaning operations.



PREXIMA SERIES



ROBUST STRUCTURE

Upper and lower pre/main compression rollers are fixed on both sides and housed in a robust frame integrated in the machine structure.

Both rollers have the same diameter (250 mm), thus allowing:

- Flexible adjustment of pre-compression
- Optimal performance with a wide range of products

This exceptionally sturdy structure – an essential requisite for good tablet quality – guarantees both pre-compression and main compression forces up to 100 kN with maximum reliability.

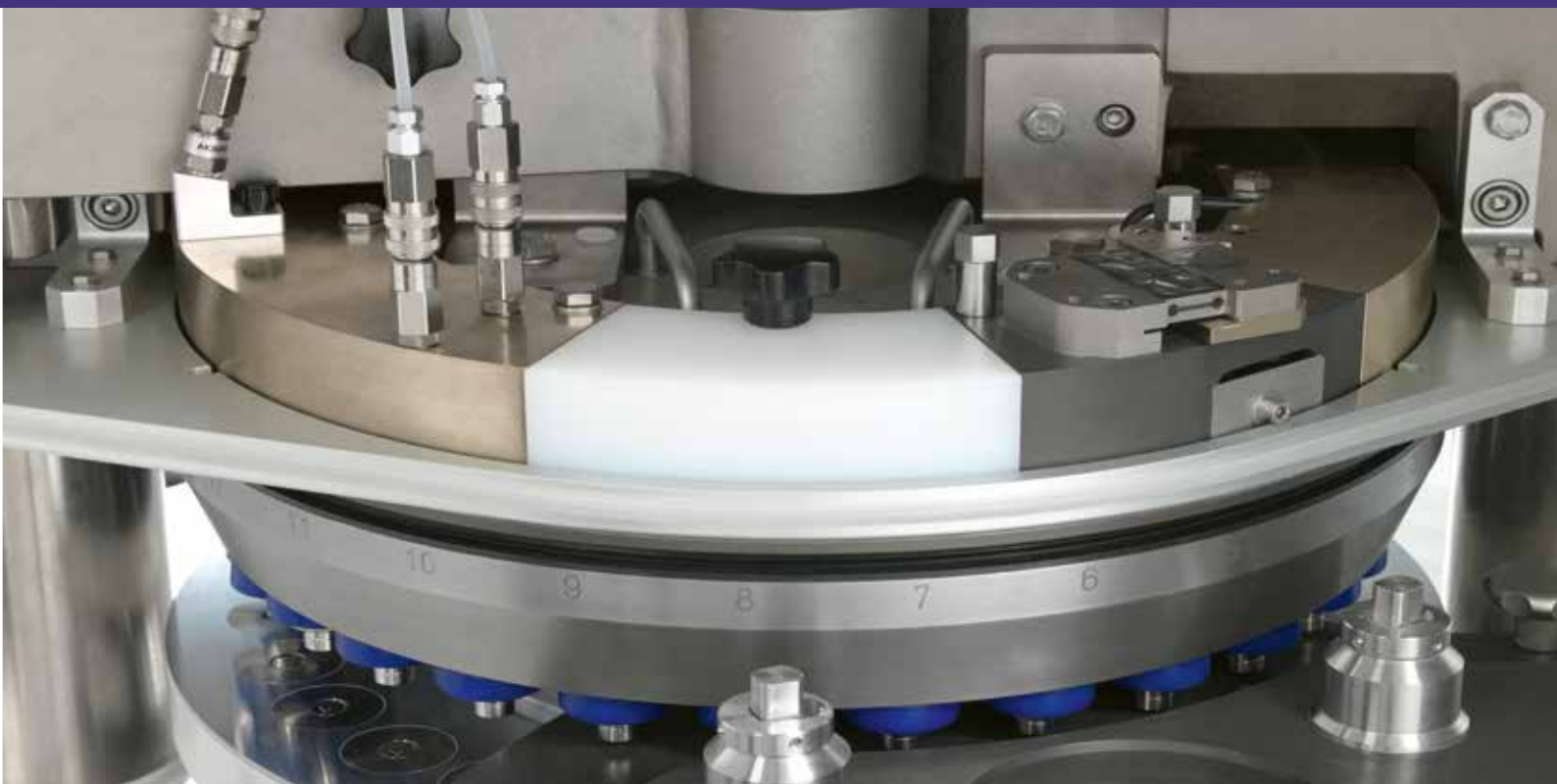
QUICK TURRET REMOVAL

THE EXTRACTION OF THE TURRET IS QUICK AND EASY THANKS TO AN ARM COMPLETELY HOUSED IN THE MECHANICAL COMPARTMENT.

THE TURRET CAN BE REMOVED COMPLETE WITH DIES AND LOWER PUNCHES, THUS GUARANTEEING RAPID CHANGEOVER AND PREVENTING THE POWDER FROM FALLING INTO THE MECHANICAL AREA THROUGH THE LOWER PUNCH BORES.

THE HMI GUIDES THE OPERATOR STEP BY STEP DURING EACH PHASE OF TURRET DISMOUNTING.





LUBRICATION SYSTEM

Positioned in the machine basement to lubricate upper and lower pre/main compression rollers, punches and cams, the lubrication system is automated.

The lubricant oil does not penetrate in the process area and can be therefore recovered into an apposite container and recirculated.

- OPTIMIZED LUBRICANT CONSUMPTION.
- CLEAN MACHINE: NO OIL DRIPPING FROM UPPER PUNCHES.
- LESS MAINTENANCE.



PREXIMA SERIES



LOW NOISE LEVEL

Tested at the anechoic chamber at the University of Ferrara (Italy) to select the best technical solution and sound-proof materials, PREXIMA is fitted with sealing on the machine doors, sound-proof panels in the basement and anti-vibration feet to keep the noise level below 80 dB.



CONTROL SYSTEM

PREXIMA is fitted with the innovative XIMA HMI. The synoptic plays a strategic role in improving operators' efficiency:

- Prompt responsiveness
- Enhanced predictivity
- Easy learning

While displaying data and machine working parameters, PREXIMA HMI offers the proper tools for compliance with 21 CFR part 11 rules and GAMP 5 guidelines.

100% control of production by measuring the compression force and automatic self-adjustment are included as standards.



**YOUR EXPERIENCE,
OUR COMMITMENT.**

xima.ima-pharma.com



LED LIGHTS DISPLAY MACHINE STATUS





THE BEST SOLUTION TO HANDLE ALL POWDERS

- SPECIFIC FEEDERS AND PADDLE GEOMETRIES
- EXTERNAL LUBRICATION SYSTEM FOR STICKY POWDERS
- LOW-MELTING POWDERS
- EFFERVESCENT TABLETS

PREXIMA 80



PREXIMA 80 IS DESIGNED FOR SMALL BATCH PRODUCTION AND R&D

- GREAT FLEXIBILITY OF MACHINE CONFIGURATION (TURRET 4+4).
- EQUIVALENT MACHINE MODEL AVAILABLE FOR HIGH CONTAINMENT (OEB₅).
- GALENIC SOFTWARE AS AN OPTION.



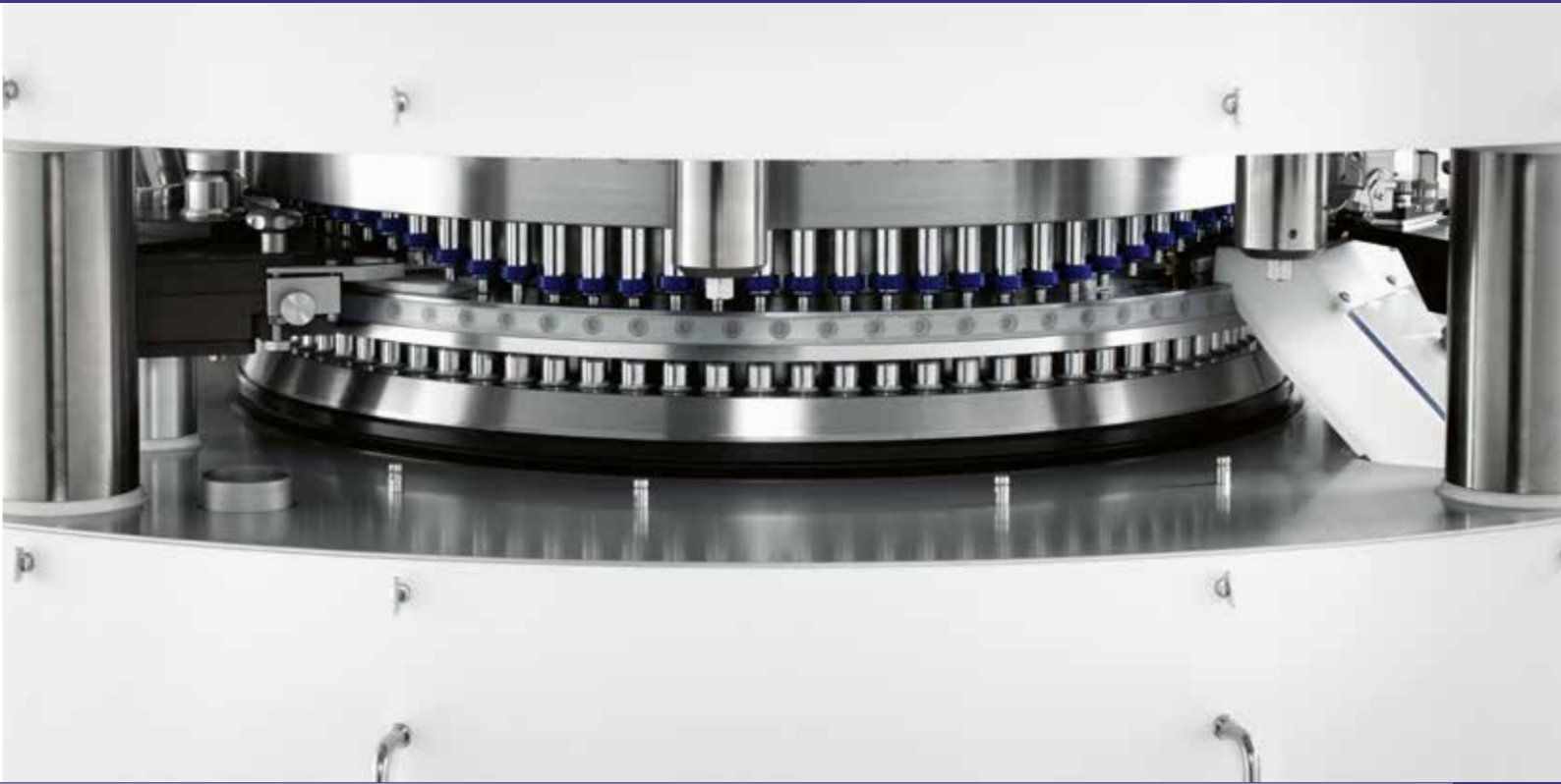
PREXIMA 300



PREXIMA 300 IS DESIGNED FOR MEDIUM PRODUCTION OUTPUT

- ROTATING ARM COMPLETELY HOUSED IN THE MECHANICAL COMPARTMENT.
- AVAILABLE ALSO FOR BIG TABLETS UP TO 39 MM.
- BUILT-IN ELECTRICAL CABINET FOR EASIER INSTALLATION.

PREXIMA 800



PREXIMA 800 IS DESIGNED FOR HIGH PRODUCTION OUTPUT

- DOUBLE SIDED TABLET PRESS UP TO 1,044,000 TABLETS/HOUR.
- 360° ACCESSIBILITY.
- SUITABLE FOR BI-LAYER TABLETING PRODUCTION.



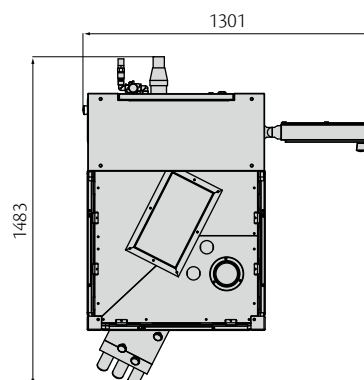
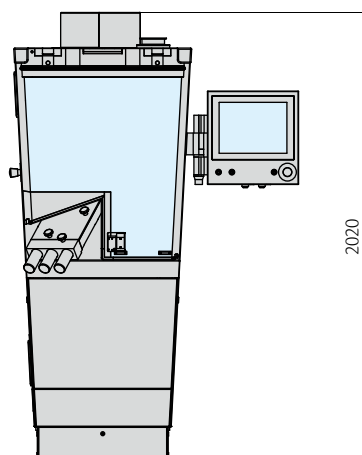
TECHNICAL DATA

PREXIMA 80				
Die type	B+D	D	B	BB
Tool type (EU and TSM)	B+D	D	B	B
Number of press stations	4+4	13	16	19
Maximum tablet diameter (mm)	16+25	25	16	13
Maximum die filling (mm)	18	18	18	18
Maximum output (tablets/hour)	20,400	66,300	81,600	96,900
Revolution per minute (-1)	85			
Maximum pre-compression force (kN)	10			
Maximum compaction force (kN)	60			
Maximum installed power (kW)	5			
Standard voltage	400 V (+/- 10%) 50-60 Hz			
Pitch circle diameter (mm)	180			

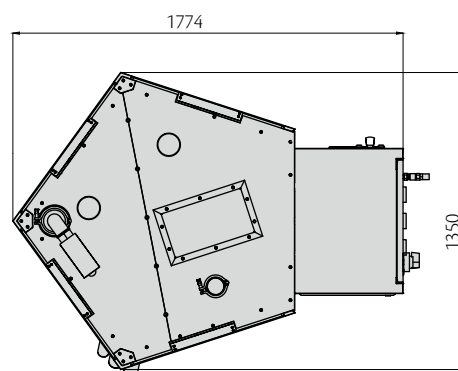
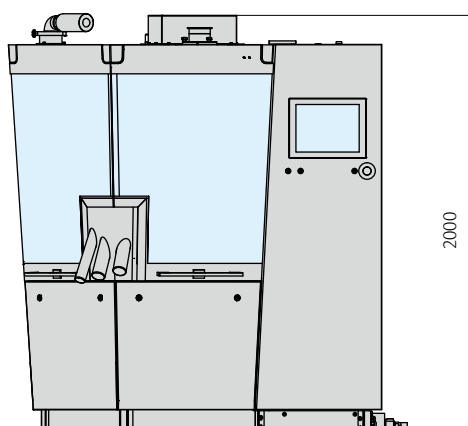
PREXIMA 300				
Die type	D	B	BB	BBS
Tool type (EU and TSM)	D	B	B	B
Number of press stations	27	33	41	44
Maximum tablet diameter (mm)	25	16	13	11
Maximum die filling (mm)	20	19	19	19
Maximum output (tablets/hour)	194,400	237,600	295,200	316,800
Revolution per minute (-1)	120			
Maximum pre-compression force (kN)	100			
Maximum compaction force (kN)	100			
Maximum installed power (kW)	13.5			
Standard voltage	400 V (+/- 10%) 50-60 Hz			
Pitch circle diameter (mm)	380			

PREXIMA 800				
Die type	D	B	BB	BBS
Tool type (EU and TSM)	D	B	B	B
Number of press stations	53	65	81	87
Maximum tablet diameter (mm)	25	16	13	11
Maximum die filling (mm)	20	19	19	19
Maximum output (tablets/hour)	572,400	702,000	874,800	1,044,000
Revolution per minute (-1)	90			100
Maximum pre-compression force (kN)	100			
Maximum compaction force (kN)	100			
Maximum installed power (kW)	27			
Standard voltage	400 V (+/- 10%) 50-60 Hz			
Pitch circle diameter (mm)	745			

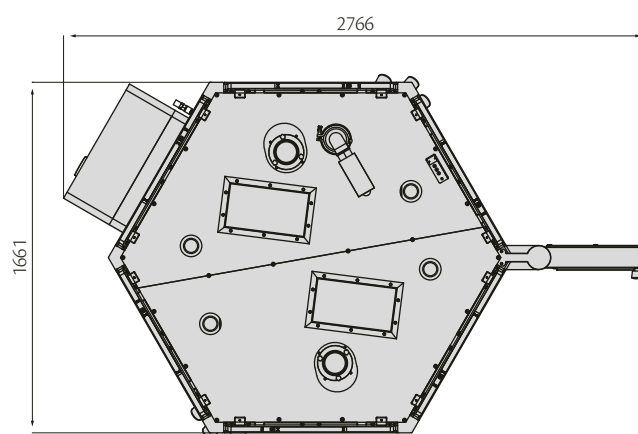
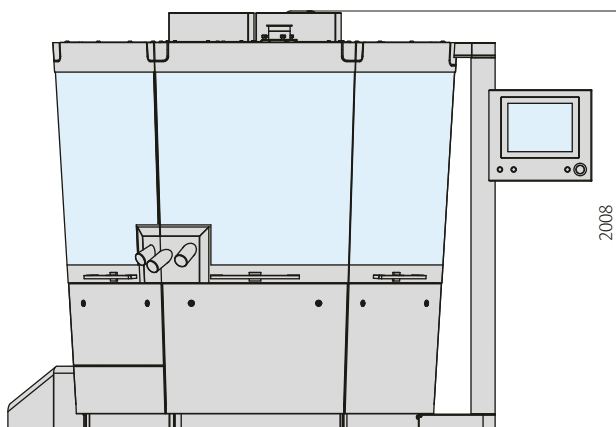
PREXIMA 80



PREXIMA 300



PREXIMA 800



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