

PR-LT Multi-Layer Tablets



PR-LT is capable of producing single, double and triple layer tablets without the need for additional change parts, and only requiring a few grams of powder. The geometry of the press is equivalent to a medium sized production press so the product is under the same physical forces as full scale production, therefore the data collected is much more realistic than a Bench Top Lab Press in the upscaling process.

Live compression forces and dwell time profiles allow for quick assessment of the powder and tablet characteristics and with the correct options this machine can easily be converted to run with many stations of tooling with a production typical feeder to complete Pilot size batches. Furthermore a few simple change parts enable specialist applications such as core rod, tablet in tablet and MUPS (Multiple Unit Pellet System).

Product Features

- 1,2,3 Layer + core tablets using the Low Capacity Sequence feeder
- Single Station Analysis and Dwell time profiles
- Easily produce 1 tablet using very small amounts of material
- Triple layer tablet production without additional change parts
- Euro / TSM and other tool formats
- Produce single layer tablets at full production speed with the add on production feeder
- Multiple turret formats including exchangeable turrets
- cGMP, CE, CFR Part 11 compliant software

Technical Parameters

Tooling		B/D	D	B	BB	BBS
Number of Stations		16 [8+8]	20	24	29	31
Max. Main Compression Force	[kN]	80	100	80	80	80
Max. Pre Compression Force	[kN]	80	100	80	80	80
Max. Filling Depth	[mm]	18				
Max. Tablet Thickness	[mm]	8.5				
Upper Punch Insertion	[mm]	1 - 6				
Pitch Circle Diameter	[mm]	285				
Turret Speed	[sec/rev]	2 - 10				
Tablet Output		1 tablet / 3 rotation				
Max. Tablet Diameter (Round)	[mm]	16/25	25	16	13	11
Max. Tablet Dimension (Shape)	[mm]	19/25	25	19	14	12
Dimension, Machine	[mm]	1,700 x 1,138 x 1,870 [Control Cabinet Included]				
Weight, Machine	[kg]	2,500				
Power Supply Data		220/380/400/415/440/460 Vac, 3Ph, 50/60Hz				
Control Power		24 Vdc				