PITAGORA

3-STATION TUFTING CARROUSEL MACHINE WITH 1 FILLING TOOL, 1 DRILL AND 1 TRIMMING UNIT FOR THE PRODUCTION OF CYLINDER BRUSHES.

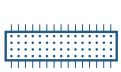
PITAGORA ensures very high output featuring continuous cycle operations.
The rotating carousel moves the brush through the 3 working stations: drilling, filling, trimming and loading/off-loading.
The loading area provides an electronically controlled trimming unit, capable of trimming different brush profiles. The machine may also be equipped for the production of disc brushes and lag brushes upon special request.
PITAGORA is equipped with e-STROKE filling head. The e-STROKE allows to adjust the filling tool stroke, maximizing production speed (RPM) based upon fiber length in the brush. PITAGORA features the X-TOOL filling tool ensuring higher performance.

- 3-station carrousel machine: drilling; filling; trimming & loading/unloading.
- High efficiency: the e-STROKE filling head ensures the ideal set-up for different fiber lengths.
- Computer controlled trimming unit included.
- Continuous production of cylinder brushes up to 1200mm in length.

Technical Data
PITAGORA

Axes:	4
Filling tools:	1
Filling tool type:	X-TOOL
Filling head:	e-STROKE
Drills:	1
Stations:	3
Stroke (mm):	50...150
Speed (tufts/minute):	500...400
Maximum fiber length (mm):	150...350
Minimum fiber length (mm):	40
Maximum filling tool (mm):	12.0
Minimum filling tool (mm):	3.0
Compressed air consumption (nL/min):	200
Weight (kg):	8500
Dimensions (mm):	L - 7500 W - 6600 H - 2800

BRUSH MODELS:



cylinder brushes

disc brushes

BRUSH DIMENSIONS:

Cylinder brushes

Maximum length (mm)	1200
Maximum core diameter (mm)	200
Maximum brush outside diameter (mm)	480

Disc brushes

Maximum diameter (mm)	610
Maximum flare angle (degrees)	45°