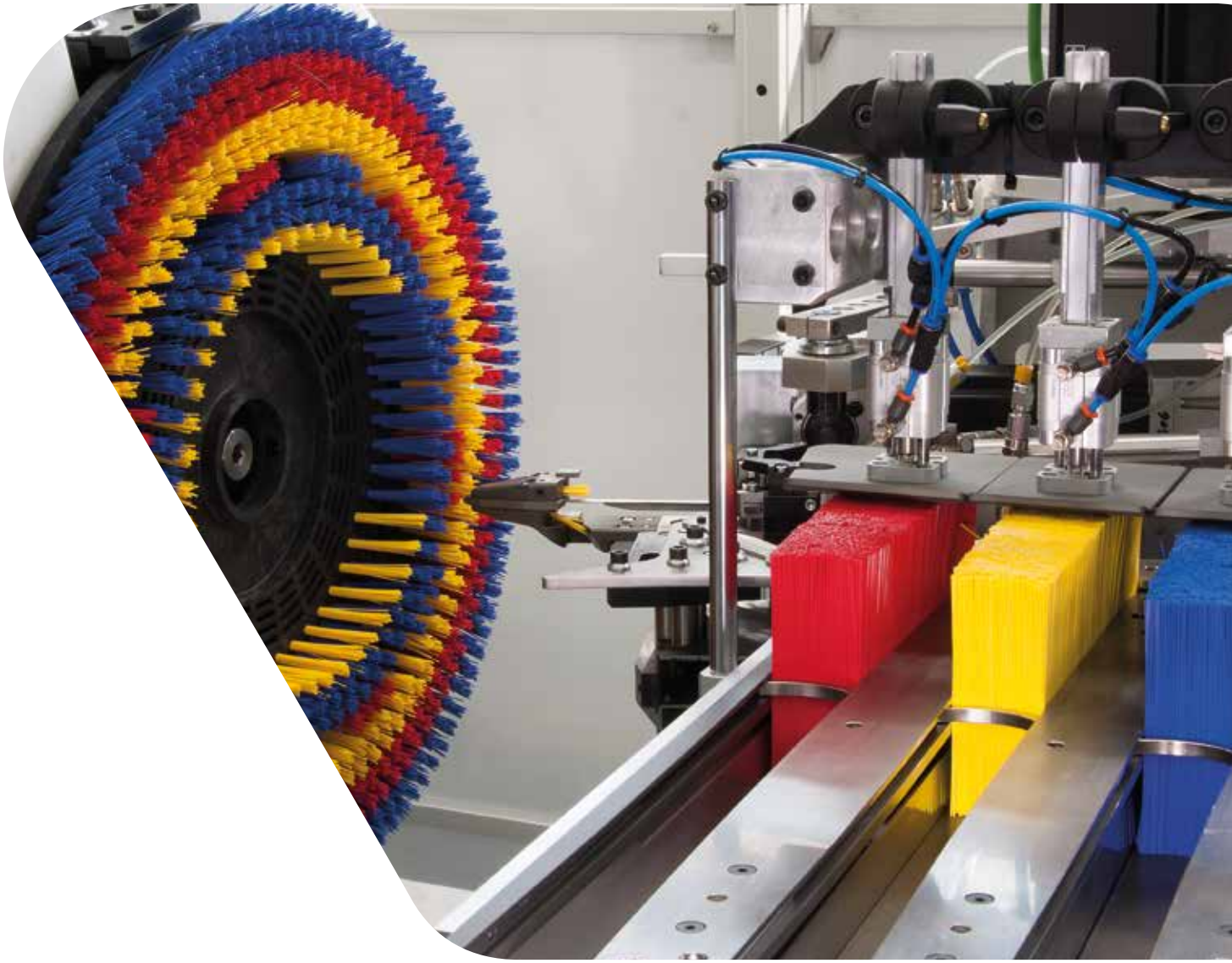
GIOTTO

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

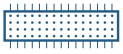
GIOTTO is designed for high volume production of disc and cylinder brushes, featuring continuous operations along its 3 stations. The first station allows the operator to load the virgin blocks while the machine is drilling and filling them in the other two positions. Every time the drilling/filling operation is completed, the machine indexes bringing the brush automatically to the next station. When the filling cycle is completed, the brush returns to the first station where a trimmer takes action accurately finishing the brush. Once the trimmer is off and retracts, the finished brush can be removed and replaced with a new virgin block.
GIOTTO is available with standard mechanical filling head or e-STROKE filling head. The e-STROKE version allows to adjust the filling tool stroke, maximizing production speed (RPM) based upon fiber length in the brush.

- Computer controlled trimming unit included.
- Mechanical or e-STROKE filling head.
- 3-station carrousel machine: drilling; filling; trimming & loading/unloading.
- Fiber feeding system: stock box for synthetic/natural filament up to 3 colors.
- Automatic fiber feeding system (optional).



BRUSH MODELS:

disc brushes



cylinder brushes

lag/table brushes

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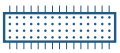
GIOTTO perfectly combines high productivity with extreme versatility. The machine can be equipped for the production of disc brushes and/or cylinder brushes. The cylinder brush bridge has a special brush holder that keeps the brush block supported to avoid bending during the filling process, ensuring good tuft retention. The basic configuration of the GIOTTO machine includes four (4) axes of movement that are used to manufacturing most disc and cylinder brushes found on the market. An optional fifth axis of motion is available when "offset" cylinder brush production is required or to create compound angles on disc brushes.

DISC BRUSH BRIDGE



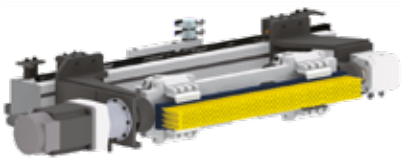

CYLINDER BRUSH BRIDGE



LAG/TABLE BRUSH BRIDGE






Technical Data
GIOTTO

Axes:	4 or 5			
Filling tools:	1			
Drills:	1			
	MECHANICAL FILLING HEADS		e-STROKE FILLING HEADS	
Filling tool:	Standard	Standard	Standard	-TOOL
Stroke (mm):	55	85	50...200	50...280
Speed (tufts/minute):	550	480	450...250	450...250
Maximum fiber length (mm):	230	300	150...500	150...700
Minimum fiber length (mm):	40	40	60	60
Maximum filling tool (mm):	7.5	7.5	12.0	12.0
Minimum filling tool (mm):	2.2	2.2	3.5	3.5
Air consumption (nL/min):	200			
Weight (kg):	5000			
Dimensions (mm):	L - 5200	W - 3500	H - 2200	

BRUSH DIMENSIONS:

Cylinders

Maximum length (mm)	600
Minimum core diameter (mm)	20
Maximum core diameter (mm)	100
Maximum brush outside diameter (mm)	300

Discs

Maximum diameter (mm)	610
Maximum flare angle (degrees)	60°

Lag brushes

Maximum width (mm)	80
Maximum length (mm)	600