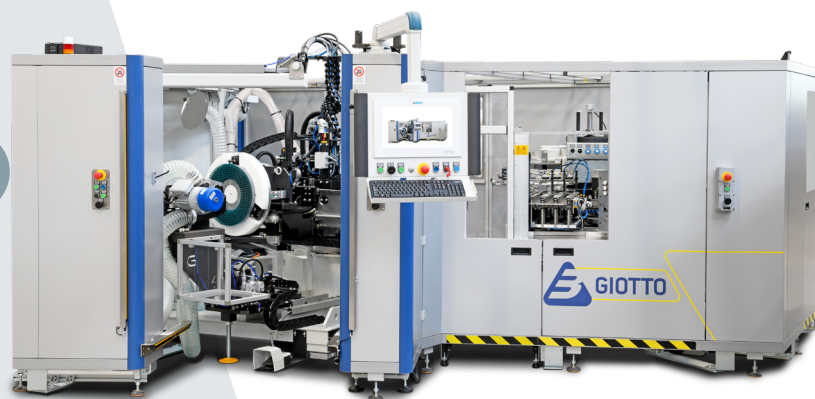




GIOTTO

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.

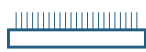
The e-STROKE version allows to adjust the filling tool stroke, maximizing production speed (RPM) based upon fiber length in the brush.



cylinder brushes



disc brushes



lag/table brushes



Computer controlled trimming unit included.



Fiber feeding system: stock box for synthetic/natural filament up to 3 colors.



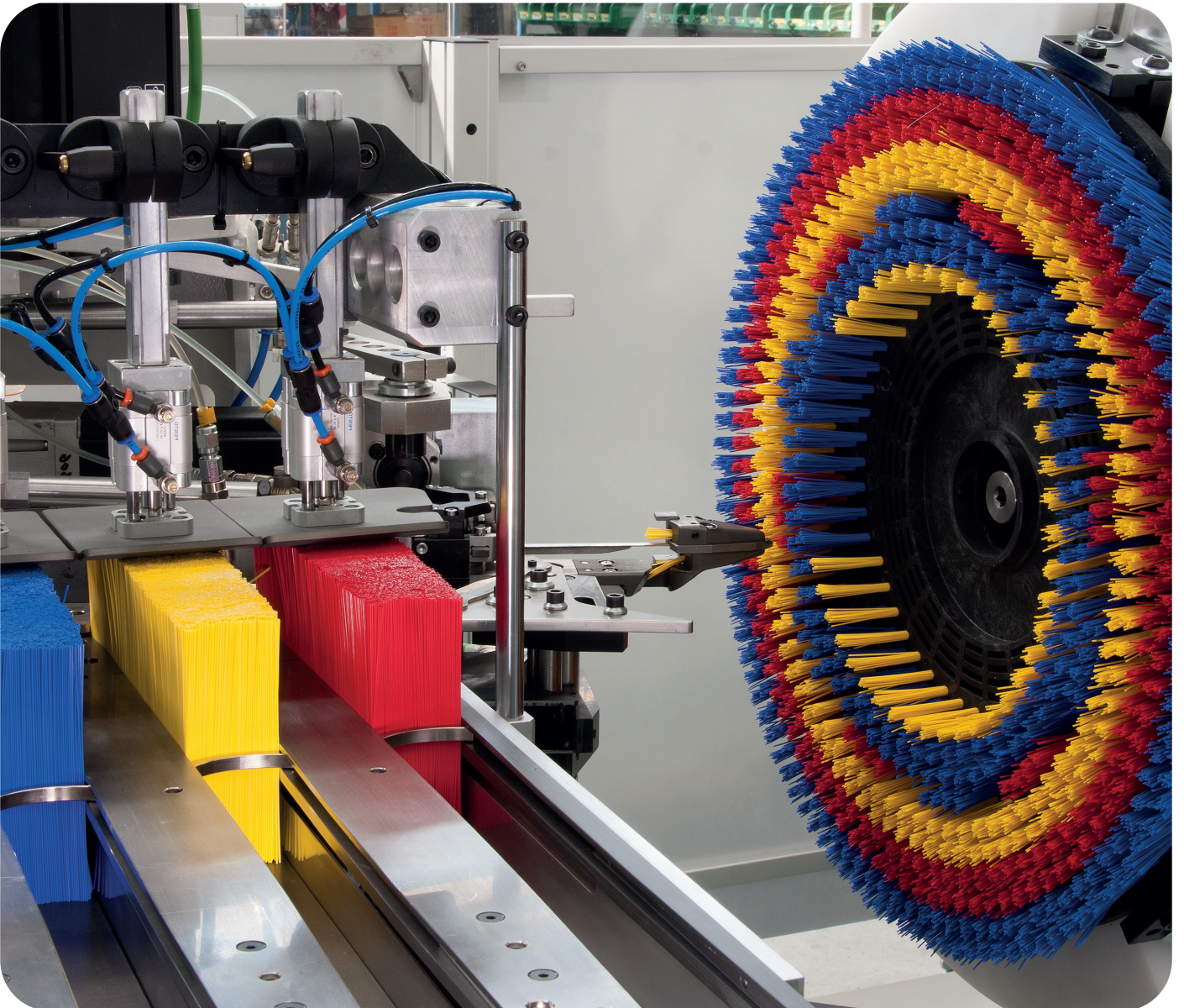
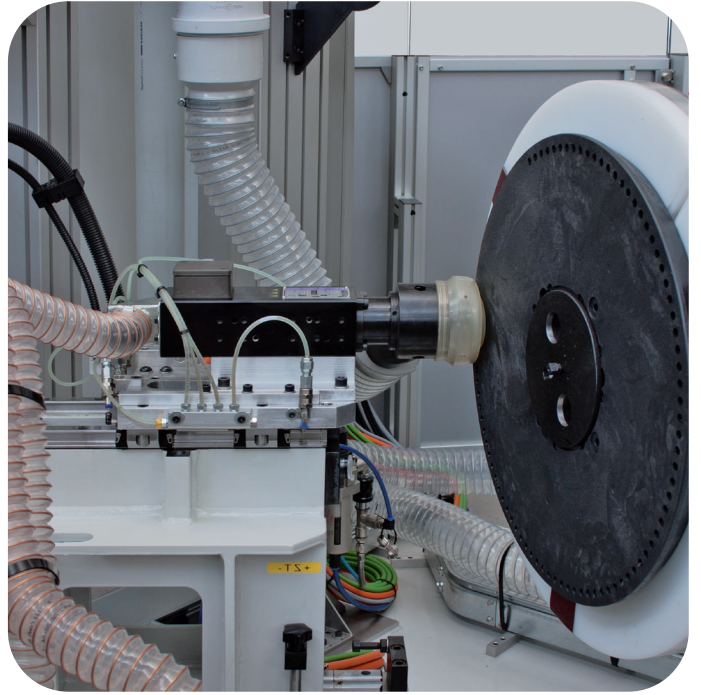
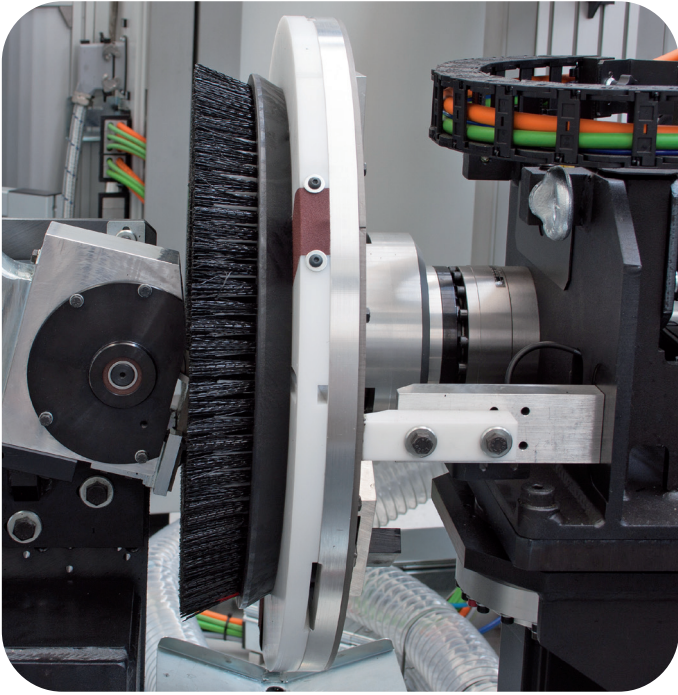
3-station carousel machine: drilling; filling; trimming & loading/unloading.



Automatic fiber feeding system (optional).



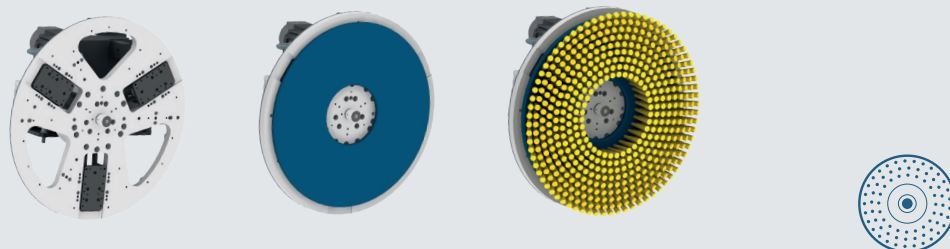
Mechanical or e-STROKE filling head.



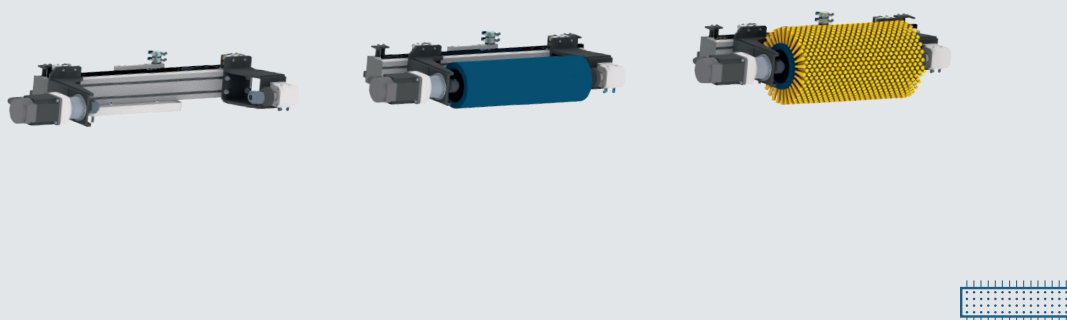
GIOTTO

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.

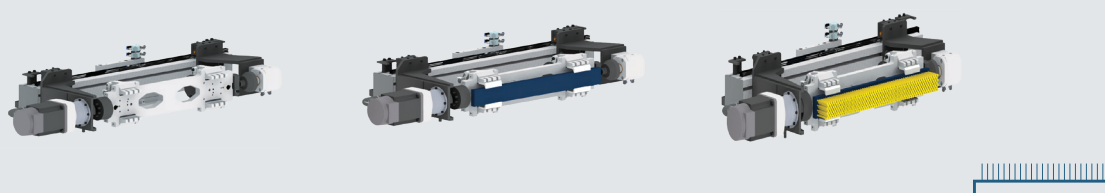
DISC BRUSH BRIDGE



CYLINDER BRUSH BRIDGE



LAG BRUSH BRIDGE



CYLINDER BRUSHES

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

LAG BRUSHES

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

DISC BRUSHES

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

TECHNICAL DATA

Axes	4 or 5		
Filling tools	1		
Drills	1		
	MECHANICAL FILLING HEADS		e-STROKE filling heads
Filling tool	Standard	Standard	Standard
Stroke (mm)	55	85	50...200
Speed (tufts/minute)	550	480	450...250
Maximum fiber length (mm)	230	300	150...500
Minimum fiber length (mm)	40	40	60
Maximum filling tool (mm)	7.5	7.5	12.0
Minimum filling tool (mm)	2.2	2.2	3.5
Power consumption (kW)	6.2	6.2	4.8
Air consumption (nL/min)	200		
Weight (kg)	5000		
Dimensions (mm)	L - 5200	W - 3500	H - 2200

