

Surfex® SSR

800 mm | 1000 mm | 1300 mm | 1600 mm

Designed for exceptional surface finishing, the Surfex® SSR delivers a flawless NDMF (non-directional grain finish) surface treatment while efficiently removing large burrs and slag. With consistent edge rounding and micro-burr removal, it enhances paint adhesion, reduces post-processing, and improves overall product quality. Built for efficiency and reliability, it helps manufacturers achieve premium finishes while streamlining production.



Unmatched Deburring and Surface Perfection

NDMF Finishing Edge Rounding DeBurring DeSlagging De-Oxidizing



EvoFlow® Conveyor System

Drum Head Module

Rotary Brushes Module

EvoGrit® 3.0 Abrasives

270° Rotary Console

THE EVOTEC® DIFFERENTIATOR

Automated Abrasive Control

Automatically adjusts abrasive compensation, belt balancing, and tracking correction, ensuring consistent precision and efficiency with every pass.

Multi-Layered Safety Protection

Includes auto power cut-off, anti-pinch mechanisms, and a rapid 4-second emergency braking system, providing enhanced workplace safety.

AirLock® or MagniLock® System

Dual-action self-cleaning vacuum adsorption or optimized magnetic adsorption efficiently processes small workpieces while maintaining stable and reliable retention.

Intelligent Maintenance Monitoring

AI-powered real-time monitoring providing intelligent maintenance alerts to maximize uptime and efficiency.

Smart Parameter Recall

Stores and retrieves pre-programmed process parameters, allowing operators to quickly recall settings for repeatable, high-accuracy processing.

Instant Operational Readiness

Designed for seamless deployment, evotec® machines require no complex setup—just plug them in, power up, and start processing immediately.

CONFIGURATION

The multi-stage process begins with aggressive material removal, ensuring a smooth, clean surface, before refining it to a consistent, high-quality finish. With enhanced efficiency and precision, it optimizes downstream processes like coating, painting, and assembly.

Drum Head #1 – removes vertical burrs and slag.

Drum Head #2 – enhances surface polishing and removes micro burrs for a smoother finish.

CUSTOMIZATION CAPABILITIES

evotec® machines offer a range of configurable options, allowing manufacturers to adapt their equipment for specific processing needs. From dust extraction to modular abrasive configurations, each customization enhances performance and optimizes workflow efficiency.

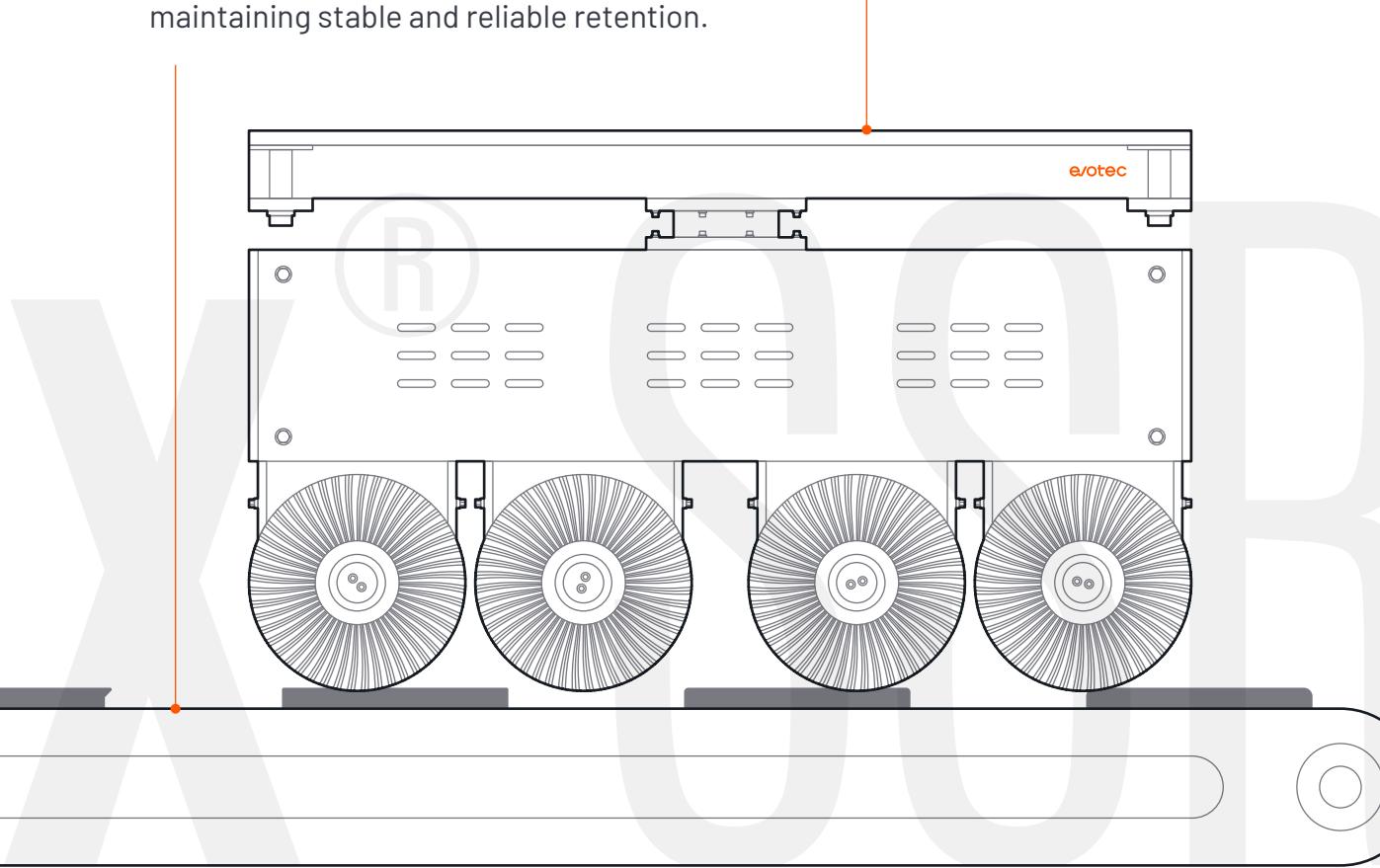
Wet Extraction System

Dust-removal Workpiece Retention Mechanism

Flexible Abrasive Module Configuration

Conveyor Self-cleaning Module

Dual-sided finishing



SAMPLES

Processable Materials: Stainless steel, carbon steel, aluminum, brass and cold plate



See the precision and consistency of evotec®'s finishing solutions in the samples above. We tailor our finishing solutions to meet the unique requirements of each production line, ensuring optimal results for various materials and applications. Connect with our sales team to discuss your specific needs and request a sample run to experience the evotec® difference firsthand.

SPECIFICATIONS

Model	SSR800	SSR1000	SSR1300	SSR1600
Max. Workpiece Width	800 mm	1000 mm	1300 mm	1600 mm
Conveyor Belt Speed	0.5 - 7 m/min	0.5 - 7 m/min	0.5 - 7 m/min	0.5 - 7 m/min
Max. Table Load Capacity	300 kg	500 kg	700 kg	700 kg
Min. Workpiece Size (W x L)	50 x 50 mm	50 x 50 mm	50 x 50 mm	50 x 50 mm
Max. Workpiece Height	0.5 - 10 mm	0.5 - 10 mm	0.5 - 10 mm	0.5 - 10 mm
Abrasive Belt Dimensions (L x W)	1900 x 200 mm	2200 x 200 mm	2200 x 320 mm	2200 x 320 mm
Rotary Brushes (Multiple)	300 ² x 40 (mm. set of 4)	300 ² x 40 (mm. set of 6)	300 ² x 40 (mm. set of 8)	300 ² x 40 (mm. set of 8)
Electrical Input	400 V 50 Hz 12A	400 V 50 Hz 15A	400 V 50 Hz 24A	400 V 50 Hz 27A
Rated Power Consumption	39 kW	50 kW	79 kW	8 kW
Machine Dimensions (L x W x H)	3.3 x 1.65 x 2.25 m	3.7 x 1.8 x 2.25 m	4.2 x 2.25 x 2.3 m	4.2 x 2.25 x 2.3 m
Machine Weight	3000 kg	3500 kg	5700 kg	6500 kg
Upstream Processes	Laser cutting, flame cutting, waterjet cutting, N/C punching, dielectric			
Downstream Processes	Bending, forming, welding, powder coating, painting, and assembly			

