

Saroglia Die Cutters and Foil Stampers - Since 1911



Saroglia, a renowned Italian manufacturer of auto-feed, clam shell die cutters and foil stamping equipment was acquired by APR Solutions, an existing Best Graphics partner, in 2019. Redesigned with state-of-the-art mechanical, electrical, and safety upgrades—new generation Saroglia machines retain the original's simplicity of set-up, extreme mechanical strength, proven durability and reputation for producing very high quality die cut, embossed, and stamped product.

	Old Version Saroglia	New Version Saroglia
Feeder & Delivery	<ul style="list-style-type: none"> Vacuum pump system with continuous operation Mechanical blowers Mechanically controlled table 	<ul style="list-style-type: none"> Controlled by Camozzi solenoid valves when the sheet is laid or removed Fully electronic vacuum regulation Electronic blower with ability to set duration of blow Each shaft has its own electric vacuum solenoid valve Inverter controlled ascent / descent of the table
Machine Block & Platina Lubrication	<ul style="list-style-type: none"> Fully mechanized lubrication with (10) lubrication points with (3) filters All bushings require periodic lubrication 	<ul style="list-style-type: none"> Electronic lubrication through a pump with (10) lubrication points controlled by PLC Alarm system in case of lack of oil Cleaning system based on sensor that increases pressure to 40 bar All bushings are self-lubricating
Pneumatic System	<ul style="list-style-type: none"> Controlled by electric solenoid valve that gives consent to clutch to start the machine Mechanically driven machine pressure activation / deactivation 	<ul style="list-style-type: none"> Controlled by electric solenoid valve that allows clutch to start machine Machine pressure activation / deactivation controlled by solenoid valve and (2) sensors
Touch Screen & Cycling	<ul style="list-style-type: none"> 8 inches Machine start up performed at 900 sheets/hour Manual cycle performed using rocker by pressing 2 side buttons Possibility to manually start the machine with a modification applied by the operator himself, risking serious personal damage Use of the encoder also provided for machines manufactured after 2010 Max speed of 2,700 sheets/hour 	<ul style="list-style-type: none"> 10 inches, Wi-Fi, remote support Machine motor start up performed at 1,000-1,300 sheets/hour Unable to manually start machine as it is controlled by PLC to avoid damage to operator Encoder brings the machine to the zero position for the attachment of the sheet feeder Encoder controls the adjustment of: <ul style="list-style-type: none"> Delivery shaft and adjustment Feeding shaft to register machine for requested format Able to perform various adjustments of the 2 shafts through impulses Able to unlock machine from touch screen in case of block Sheet pick up and deposit is adjustable from touch screen Auto stop function in case of sheet loss or air loss Max. speed of 1,200 sheets/hour for first 200 working hours then increases to 2,900 sheets/hour
Hot Foil Stamping	<ul style="list-style-type: none"> 10 minute start up time Die changeover in under 3 minutes Multiple spaghetti sections to go from job to job more efficiently 	<ul style="list-style-type: none"> (2) foil pulls controlled by brush-less motor with connection via EtherCAT to the PLC for greater precision Dedicated page to calculate amount of foil to consume Ability to adjust dwell time under pressure Ability to batch count Alarm system warning of over tonnage
Electrical System	<ul style="list-style-type: none"> Legacy electronic suppliers 	<ul style="list-style-type: none"> Electrical system equipped with PLC and latest generation OMRON inverter Remote assistance via Internet connection. Connection signal achievable via Wi-Fi using a mobile phone without the need for connection to the corporate network
Safety	<ul style="list-style-type: none"> Use of safety sensors with dated system 	<ul style="list-style-type: none"> Feeder carries (2) OMRON safety barriers. If the beam is interrupted, the machine stops immediately Machine secured via guards with doors protected by non-interchangeable coded magnetic safety sensors. All safety modules have achieved the level 4 safety category Machine designed for industry 4.0 All components of electrical panel are CE and UL certified

MORE INFO



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