



MC Series Automatic Multi-Station Thermoforming Machine



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Sunwell MC series is a fully automatic thermoforming machine, designed to specifically meet the demands of production in multi-station operation by steel rule die cutting technology.

It combines the chain index system, heating oven, both positive and negative pressure forming, holes pre-punch, finished product cutting, automatic product counting and stacking, exit conveyor for product stacks and scrap rewind into a compact machine.

Sunwell MC series thermoforming machine is a refined design, equipped with energy-saving precision temperature control, absolute encoder full servo system, robust toggle drive mechanism, high accuracy product cutting and flexibility of product handling to obtain a stable and reliable performance for high quality products.

The production for processing PP, PS, OPS, PE, PVC, APET or CPET, PLA are very suitable with maximum speed up to 60 cycles per minute.

The simple and cost effective molds with quick mold exchange mechanism, provides a quick replacement of the tooling to save downtime, which is especially suitable for small and medium scale production.

The applications are versatile for a variety of thin wall packaging including food, cosmetics, medical, toys, electrical and electronic components, and daily hardware products.

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MAXIMUM PROFITABILITY**

MC SERIES THERMOFORMING MACHINE SPECIFICATION



Forming Station



Cutting Station



Middle Pre-punch Station



Stacking Station

MODEL	MCS800	MCS1000
Configuration	Form-Cut-Stack Multi-Station; steel rule die technology	Form-Cut-Stack Multi-Station; steel rule die technology
Application	Thin wall food and industrial packaging	Thin wall food and industrial packaging
Stations No.	3 or 4	3 or 4
Max. Cycle Speed	60 cycles / Min.	50 cycles / Min.
Sheet Index	AC Servo driven chain index feed	AC Servo driven chain index feed
Heat Tunnel Length (mm)	1,800	2,400
Heating Elements	Ceramic	Ceramic
Forming method	Positive and negative pressure forming	Positive and negative pressure forming
Forming direction	Either above or below sheet forming	Either above or below sheet forming
Max. Sheet With (mm)	860	1060
Forming Mold Size (mm)	Max. 570(L) x 820(W) Min. 250 (L) x 290(W)	Max. 750(L) x 1000(W) Min. 450 (L) x 500(W)
Max. Depth of Draw (mm)	130	130
Shut-height (mm)	Top: 250~350 Bottom: 200~250	Top: 250~350 Bottom: 200~250
Platen Travel (mm)	Top: 150 Bottom: 150	Top: 150 Bottom: 150
Forming Platen Driven	AC Servo; toggle mechanism actuation	AC Servo; toggle mechanism actuation
Forming Tonnage (tons)	30	50
Pre-Punch Mold Size (mm)	Max. 570(L) x 820(W) Min. 250(L) x 290(W)	Max. 750(L) x 1000(W) Min. 450(L) x 500(W)
Shut-height (mm)	Top: 250~350 Bottom: 250	Top: 250~350 Bottom: 250
Platen Travel (mm)	Top: 150 Bottom: 150	Top: 150 Bottom: 150
Pre-punch Driven	AC Servo; toggle mechanism actuation	AC Servo; toggle mechanism actuation
Pre-punch Tonnage (tons)	30	50
Cutting Size (mm)	550(L) x 800(W)	730(L) x 980(W)
Shut-height (mm)	Top: 85~185 Bottom: 180	Top: 85~185 Bottom: 180
Platen Travel (mm)	Top: 150	Top: 150
Cutting Tonnage (tons)	60	90
Stacking Size (mm)	550(L) x 800(W)	730(L) x 980(W)
Stacking Method	Up or Down stacking by servo; Robotic is option	Up or Down stacking by servo; Robotic is option
Control System	B&R or YASKAWA	B&R or YASKAWA
Floor Space (M)	12.5(L) x 3.3(W) x 3.3(H)	14(L) x 3.6(W) x 3.3(H)
Machine Weight (kg)	12,000	16,000

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