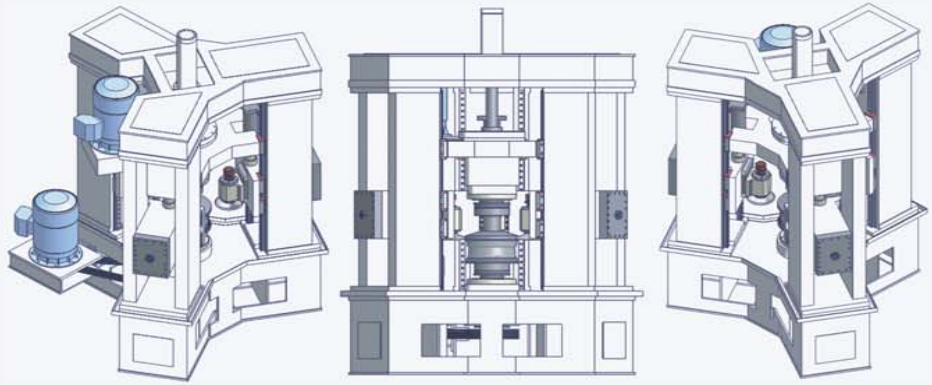
수직형 3축 플로우 포밍머신 (VF-3R-700)

VERTICAL 3 ROLLER FLOW FORMING MACHINE

항목 Item	단위 Unit	Specifications	
Rim Diameter	mm	410~720	
	Inch	18~26	
Rim Width	mm	400	
	Inch	Max.14	
Blank Thickness	mm	Max. 20	
Maximum Speed	rpm	120~800	
Stroke and Thrust of Tail Stock	kW	100	
Motor Capacity for Spindle	kW	100	
Motor Capacity for Hydraulic	kW	110	
Working Hydraulic	kgf/cm^2	210	
Spinning Rollers		**3 EA**	
Tailstock	Stroke × Thrust Load	550mm × 400kN	
	Feed / Driving Method	15m/min / Hydraulic ratio control	
Z-Axis roller	Stroke × Thrust Load	450mm × 200kN	
	Feed / Driving Method	2~8m/min / Hydraulic servo control	
X-Axis roller	Stroke × Thrust Load	200mm × 200kN	
	Feed / Driving Method	2~6m/min / Hydraulic servo control	
Main Shaft Lockout	Stroke × Thrust Load	400mm × 200kN	
Tailstock Lockout	Stroke × Thrust Load	60mm × 80kN	
Weight (kg)	about 38,000	Installation Area (mm)	4850 x 6000 x 1600 (Height)



응용사례 Application



Auto Mobile Wheel



FLOW FORMING MACHINE

Lighter / Larger / Low-cost







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수평형 1축 플로우 포밍머신 (HF22/12)

FLOW FORMING MACHINE (For Processing Wheels)

항목 Item	단위 Unit	Specifications	
Application	-	2-Piece Aluminium Wheel Casting Aluminium Wheel Forged 1 Piece Aluminium Wheel Forged 2 Piece Aluminium Wheel	
Blank Diameter	Inch	14 ~ 22	
Product O.D	mm	Ø 355 ~ 630	
Blank Width	Inch	5 ~ 12	
Maximum Speed	rpm	800	
Stroke and Thrust of Roller X axis	mm x kN	400 × 165.5	
Stroke and Thrust of Roller Z axis	mm x kN	480 × 165.5	
Stroke and Thrust of Tail Stock	mm x kN	700 × 197	
Motor Capacity for Spindle	kN	55 / 45	
Motor Capacity for Hydraulic	kN	30	
Dimension of the Machine	mm x mm	about 3200 x 6500	
Weight (kg)	about 17,000	Installation Area (mm)	3200 x 6500 x 2600 (Height)



응용사례 Application



Auto mobile

Miscellaneous

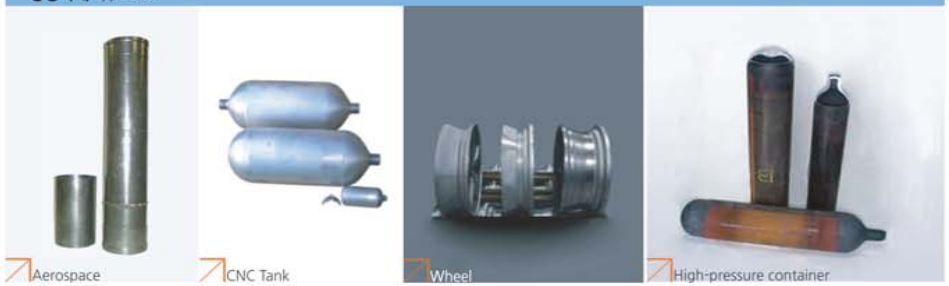
수평형 3축 플로우 포밍머신 (HF-3R-500)

HORIZANTAL 3ROLLER FLOW FORMING MACHINE

항목 Item	단위 Unit	Specifications	
Rim Diameter	mm	Ø100~Ø560	
Length Blank Thickness	mm	Forward forming : 2000	
		Backward forming : 3100	
Maximum Speed	rpm	60~600	
Motor Capacity for Spindle	kW	200kW (Inverter)	
Motor Capacity for Tailstock	kW	30kW (Servo Motor)	
Motor Capacity for Saddle	kW	30kW*2 (Servo Motor)	
Motor Capacity for Hydraulic Unit	kW	75	
Spinning Rollers		**3 EA**	
Tailstock	Stroke × Thrust Load	550mm × 150kN	
	Feed / Driving Method	5m/min / Servo Motor Control	
Saddle	Stroke × Thrust Load	2100mm × 400kN	
	Feed / Driving Method	5m/min / Servo Motor Control	
Saddle roller	Stroke × Thrust Load	230mm × 400kN (Each)	
	Feed / Driving Method	4m/min / Hydraulic Servo Control	
Main Shaft Lockout	Stroke × Thrust Load	110mm × 100kN	
Weight (kg)	about 43,000	Installation Area (mm)	11000 x 6600 x 3500 (Height)



응용사례 Application



Aerospace

CNC Tank

Wheel

High-pressure container