

Yuh-Dak KINGS Series LSR Vertical Silicon injection molding machine



Example of products



Medical



Children



Daily



Automotive



Electronics



Sport

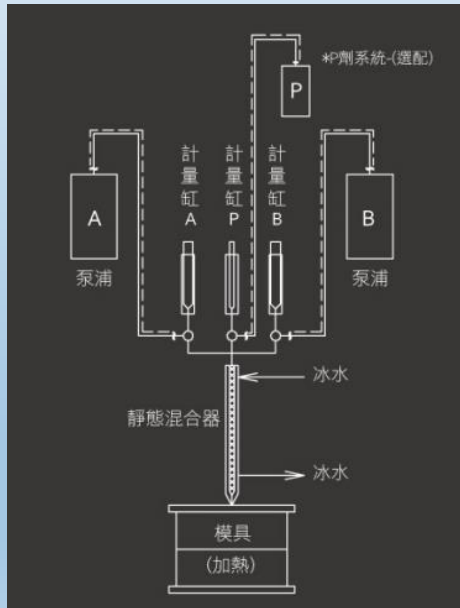


Building





Injection Process



Use precision metering system to mix A and B

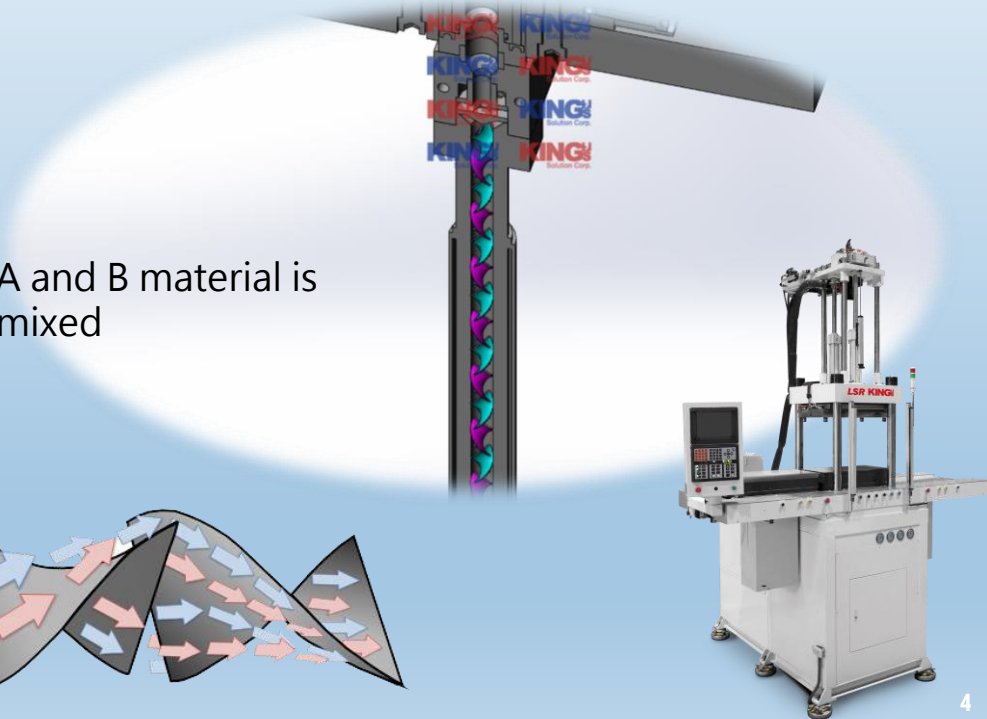
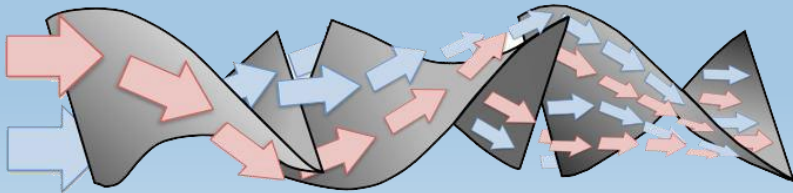
Low Pressure injection, with position transducer for accurate dispense.



Static mixing

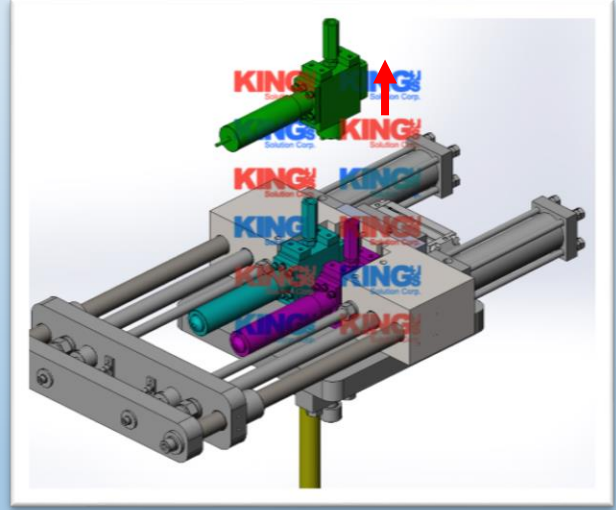
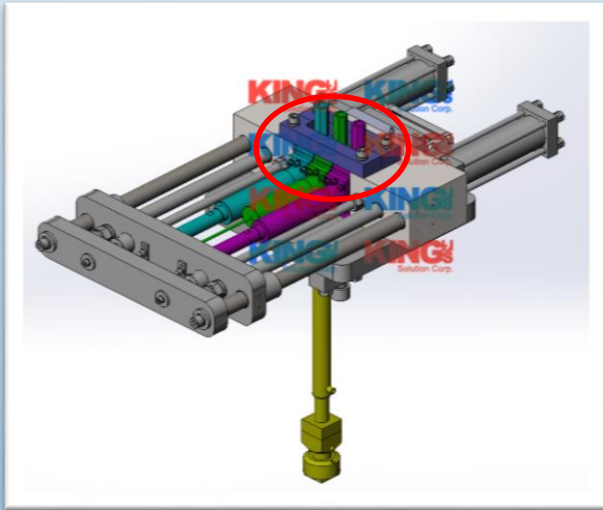
★ Divide and mix

Each of the 21 steps, A and B material is divided in half and remixed





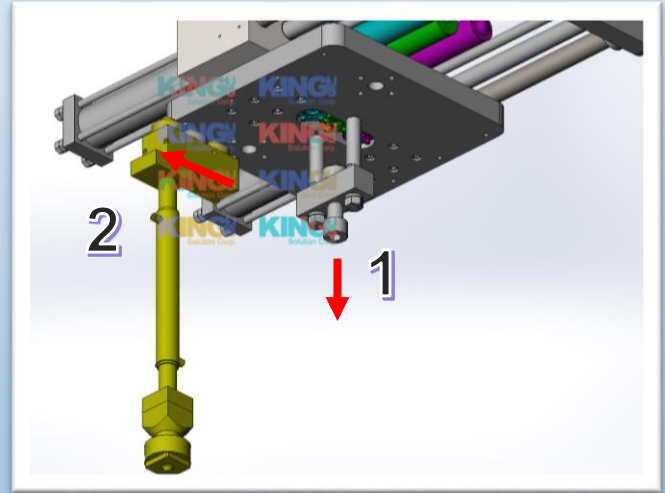
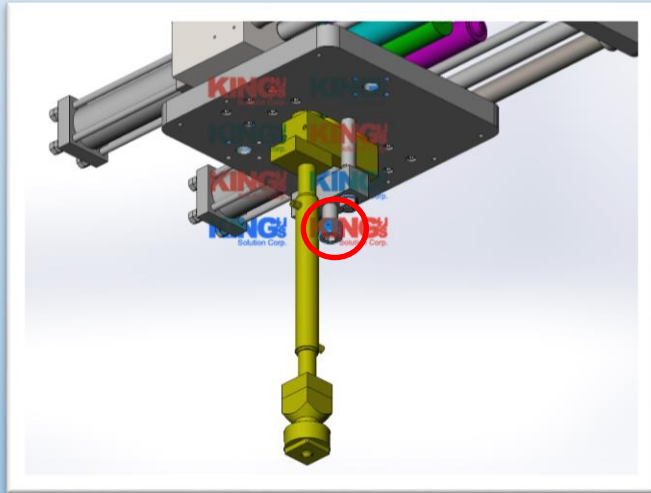
Fast changing – change metering cylinder



Only need to undo 4 screw to change A/B/P Metering cylinder,
With anti-drooling design, no material leaking, total changing time for each
cylinder is 5 min (Video)



Fast barrel change design



Only need to undo 1 screw to change barrel, with anti-drooling design, no material leaking, total changing time for each cylinder is 10 min (Video)



Mold Design with Cold Runner and valve gate



Even temperature distribution



Cold Deck modular design



Valve gate design



Flow control valve



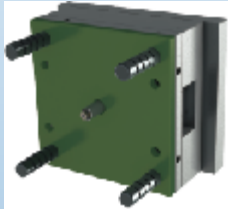
Temperature alert



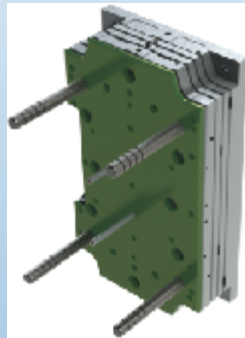


Modular design Cold Deck

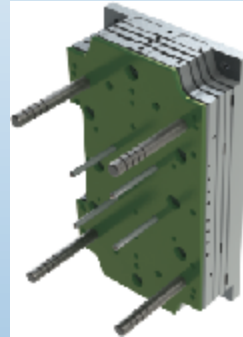
Single point Cold runner



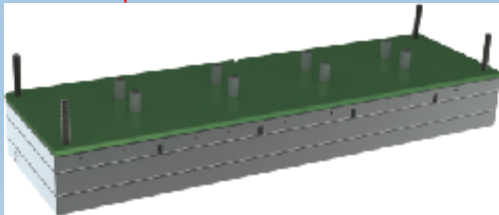
2 point Cold runner



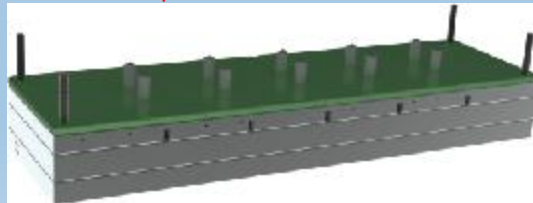
4 point Cold runner



8 point Cold runner



10 point Cold runner





冷嘴尺寸規格

Min. Gate: $\phi 0.5\text{mm}$ / Pitch: 60mm / Cold Deck thickness: 125mm

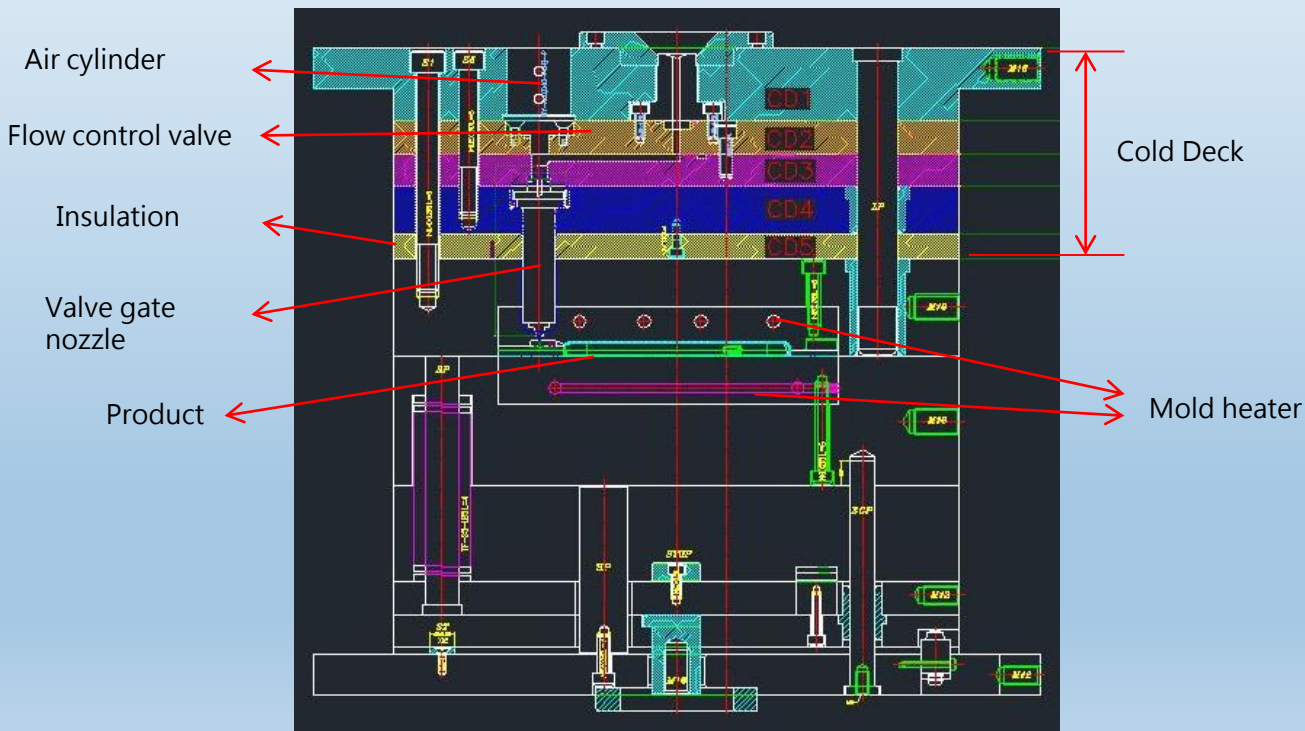


型 號	本體直徑	腔體直徑
CVRT - 10	$\phi 12.7$	$\phi 14$
CVRT - 20	$\phi 20$	$\phi 22$
CVRT - 30	$\phi 38$	$\phi 40$





冷澆道針閥式系統設計





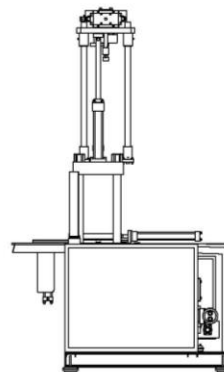
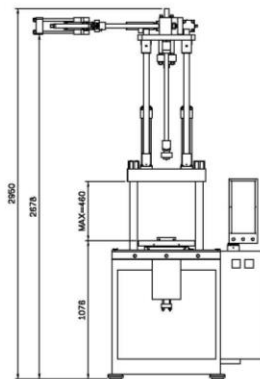
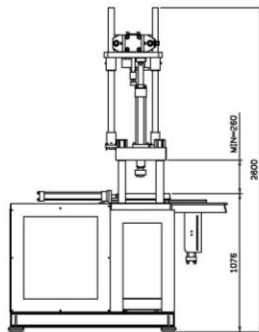
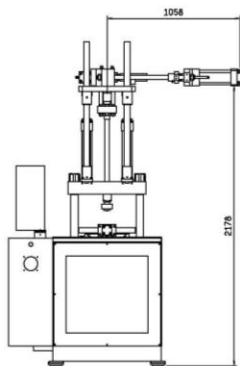
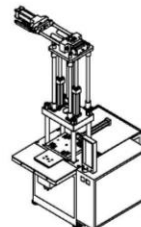
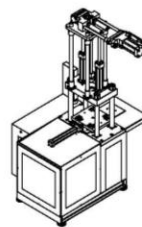
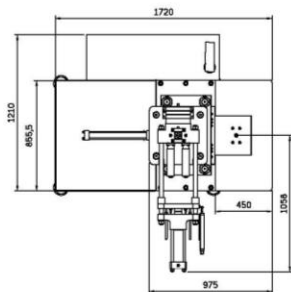
KL460-400-55DVS-1 Single Shuttle



KL460-400-55DVS-1 Dimensions

<注意>規格説明

夾模行程=200mm
最小模厚=260mm
最大空間=460mm
柱 内 距=460x240
模板尺寸=620x400
滑板尺寸=450x400
滑模行程=400mm
射嘴角度=R10mm
歸正環=Φ100mm
頂出=凸出 40mm



※ INJECTION UNIT

Plunger Diameter	mm	36 X 2
Injection Pressure	kgf/cm2	437
Injection Capacity	cm3	407
Injection Weight (LSR=1.08)	oz	15.5
	gram	439
Injection Rate	cc/s.	137
Injection Rate	mm/s.	135
Plunger Stroke	mm	200
Nozzle Stroke	mm	280
Nozzle Contact Force	tf	8.5

※ INJECTION UNIT

Clamping System	Hydraulic	油壓
Clamping Force	tf	55
Opening Stroke	mm	200
Mould Space	mm	460) / 310(With heating pad)
Min Mould Space	mm	260 / 110(With heating pad)
Overall Size of Platens	mm	620*400
Space Between Columns	mm	460*240
Size Of Shuttler Platen	mm	450*400
Shuttle Plate Stroke	mm	400
Ejector	Hydraulic	
Ejector Force	tf	2.7
Ejector Stroke	mm	凸出 40

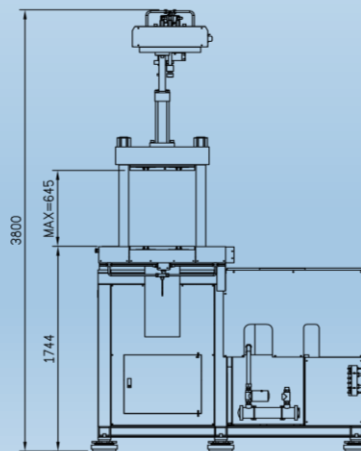
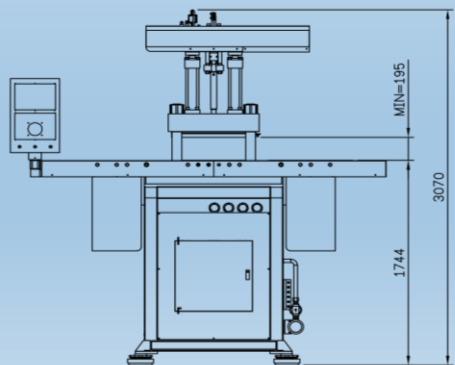
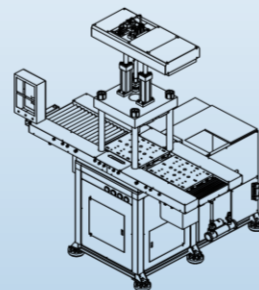
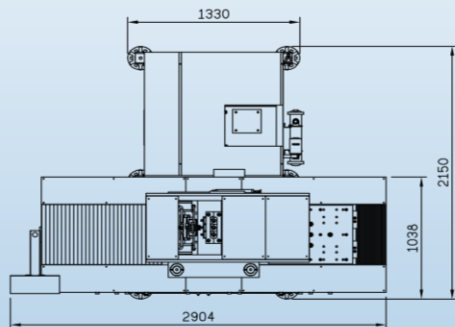
※ POWER UNIT

※ ELECTRICAL EQUIPMENT & GENERAL		
Power Source / Voltage	V/HZ	380/50
Drive Motor	kw	7.5
Heater	kw	9.6
Temperature Control Zone	zone	3
※ MISCELLANEOUS		
Pressure in Hydraulic System	kgf/cm2	140
Dimension of Machine (L*W*H)	m	1.9 x 1.3 x 2.9
Weight of Machine	ton	2.5



KL520-400-100DV2S-1 With Double shuttle

KL520-400-100DV2S-1 Dimensions



※ INJECTION UNIT

Plunger Diameter	mm	36 X 2
Injection Pressure	kgf/cm2	437
Injection Capacity	cm3	407
Injection Weight (LSR=1.08)	oz	15.5
	gram	439
Injection Rate	cc/s.	137
Injection Rate	mm/s.	135
Plunger Stroke	mm	200
Nozzle Stroke	mm	280
Nozzle Contact Force	tf	8.5

※ INJECTION UNIT

Clamping System	Hydraulic	油壓
Clamping Force	tf	100
Opening Stroke	mm	450
Mould Space	mm	645
Overall Size of Platens	mm	700*725
Space Between Columns	mm	495*520
Size Of Shuttler Platen	mm	1450*510
Shuttle Plate Stroke	mm	750
Ejector	Hydraulic	Hydraulic
Ejector Force	tf	4
Ejector Stroke	mm	凸出100(同步)

POWER UNIT

※ ELECTRICAL EQUIPMENT & GENERAL		
Power Source / Voltage	V/HZ	380/50
Drive Motor	kw	10
Heater	kw	6.4*3
Temperature Control Zone	zone	3
※ MISCELLANEOUS		
Pressure in Hydraulic System	kgf/cm2	140
Dimension of Machine (L*W*H)	m	2.2x3.0x3.8
Weight of Machine	ton	5.6