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CLF



TS SERIES

曲肘式射出成型機 Toggle System Injection Molding Machine



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CHUAN LIH FA MACHINERY WORKS CO., LTD.

HEADQUARTER

No.17, Ln. 360, Chung Cheng S. Rd., Yueng Kang Dist., Tainan 71047, TAIWAN
TEL. +886-6-253-2111 FAX. +886-6-253-3311 / 254-8859 E-mail. clf@clf.com.tw

KWAN-MIAO 3TH FACTORY

No. 68, Ln. 169, Sec. 2, Guanxin Rd., Guanmiao Dist., Tainan City 71841, TAIWAN
TEL. +886-6-595-8133 FAX. +886-6-595-8130

全立發機械廠股份有限公司

總公司

71047 台南市永康區中正南路360巷17號
TEL. +886-6-253-2111 FAX. +886-6-253-3311 / 254-8859
E-mail. clf@clf.com.tw

關廟廠

71841 台南市關廟區埤頭里關新路二段169巷68號
TEL. +886-6-595-8133 FAX. +886-6-595-8130

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TS SERIES

Toggle System Injection Molding Machine
曲肘式射出成型機



TS SERIES

Toggle System Injection Molding Machine
曲肘式射出成型機



緊湊結構，卓越性能。 Compact Structure, Exceptional Performance.

- 高端曲肘式射出成型裝備秉承極簡優雅的設計理念。
- 每一條線條、每一個角度、每一處細節，皆為優化性能而生。
- The high-end toggle injection molding equipment adheres to the design concept of minimalist elegance.
- Every line, every angle, and every detail are born for the optimization of performance.

1 HIGH RIGIDITY FIXED MOLD PLATEN 高剛性模板

2 HIGH RIGIDITY WITH FAST 高強度鎖模

3 HIGH PRECISION INJECTION 高精度射出

- 高剛性的模板撓性設計，變型量小。High rigidity fixed mold Platen is a flexible design to reduce deformation to a minimum.
- 高強度五點式曲肘鎖模機構設計，剛性佳，運行快速平穩。Robust five-point toggle type mold clamping mechanism features high rigidity with fast and stable movement.
- 射出採用線性滑軌支撐，提升穩定性及高精度。The injection unit is supported by linear slide rails to improve stability and high precision.

CLF-90TS SERIES

系列規格表 Specifications

機型	MACHINE MODEL	單位	CLF-90TS		
鎖模單元	CLAMPING UNIT	Unit			
鎖模力	Clamping force	Ton	90		
開模行程	Die opening stroke	mm	340		
柱內距	Space between tie bars	mm	360 x 360		
最大模厚	Max. mold height	mm	390		
最小模厚	Min. mold height	mm	150		
頂出行程	Ejector stroke	mm	120		
頂出力	Ejector force	Ton	3.4		
頂出桿數量	No. of ejector pins	piece	5		
最大模板開距	Max. daylight	mm	730		
最小模具尺寸	Min. mold dimension	mm	252 x 252		
模板尺寸	Platen dimensions (HxV)	mm	530 × 530		
射出單元	INJECTION UNIT	Unit	i 380		
			A	B	C
螺桿直徑	Screw diameter	mm	35	38	42
螺桿長徑比	Screw L/D ratio	L/D	21.7	20.0	18.1
理論射出容積	Shot size (theoretical)	cm3	168	199	243
射出量	Injection weight (PS)	g	153	181	221
射出壓力	Injection pressure	kg/cm2	2326	1969	1612
對空射出速率	Injection rate into air (PS)	g/s	106	125	153
螺桿轉速	Screw speed	rpm	250		
最大射出速度	Max. injection speed	mm/s	121		
射出行程	Injection stroke	mm	175		
其它	OTHERS	Unit	i380		
最大系統壓力	Max. pump pressure	Mpa	17.5		
馬達出力	Pump motor power	kW	16		
電熱功率	Heating power	kW	6.6		
料斗容積	Hopper capacity	kg	25		
油箱容積	Oil tank volume	L	120		
整機重量	Total machine weight	Ton	3.5		
外形尺寸	Machine dimension (LxWxH)	m	4.34 x 1.3 x 2.0		

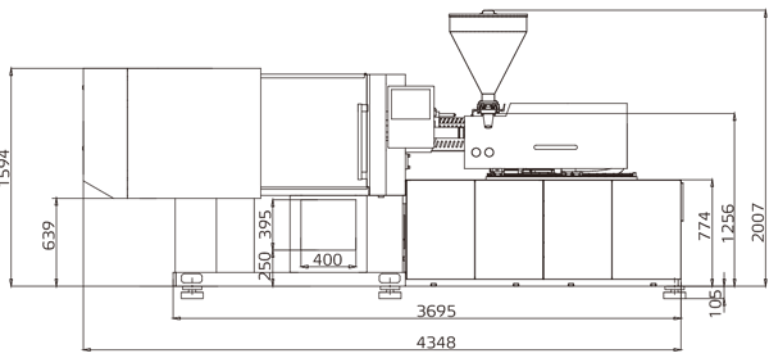
若上述數據依實際設計需求而有所變更，恕不另行通知。To meet actual requirements of design, above values are subject to change without prior notice.

單位 (Unit) : mm

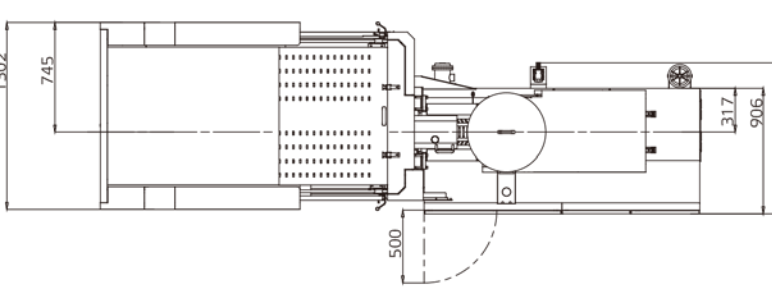
機台相關尺寸圖 Machine Template Drawing

MACHINE MODEL	CLF-90TS
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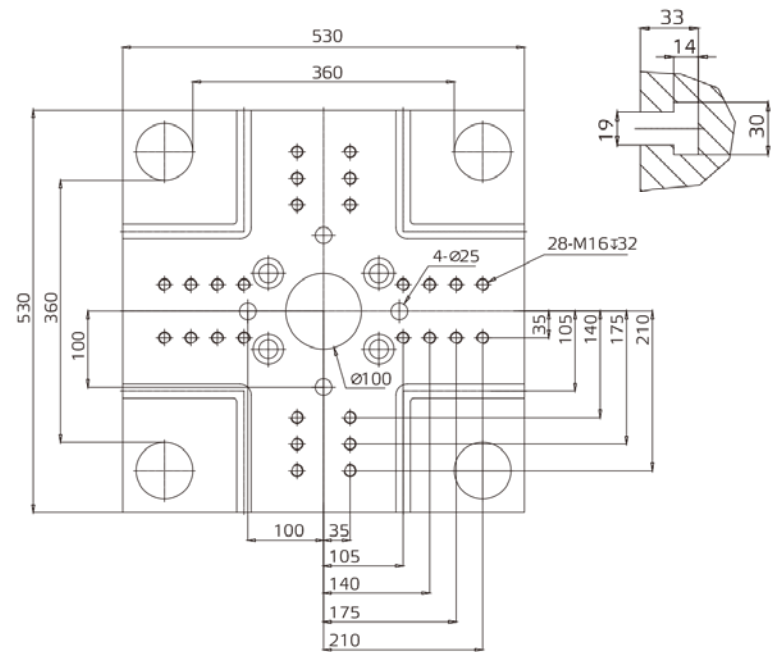
外形尺寸主視圖 Front view of machine dimension



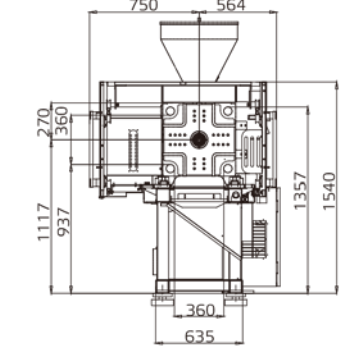
外形尺寸俯視圖 Top view of machine dimension



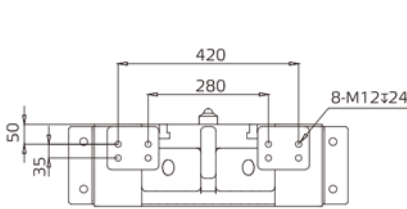
動模板正面尺寸圖 Moving platen dimension



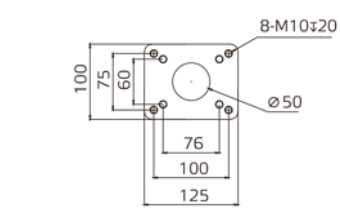
機械手安裝尺寸圖 Robot installation dimension



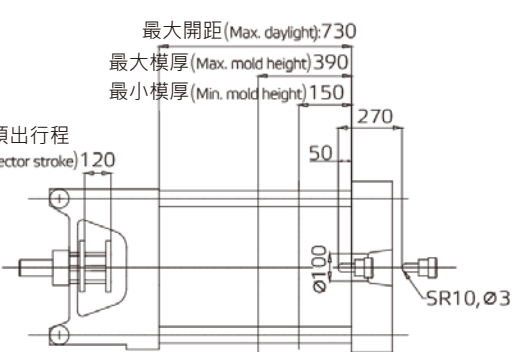
機械手安裝孔位圖 Robot fixed platen dimension



加料口安裝尺寸 Feeding port dimensions



鎖模裝置 Clamping unit



CLF-120TS SERIES

系列規格表 Specifications

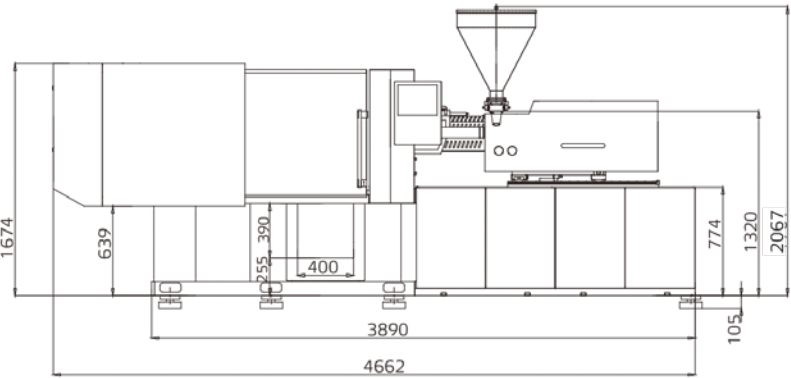
機型	MACHINE MODEL	單位	CLF-120TS		
鎖模單元	CLAMPING UNIT	Unit			
鎖模力	Clamping force	Ton	120		
開模行程	Die opening stroke	mm	360		
柱內距	Space between tie bars	mm	410 × 410		
最大模厚	Max. mold height	mm	450		
最小模厚	Min. mold height	mm	150		
頂出行程	Ejector stroke	mm	120		
頂出力	Ejector force	Ton	3.4		
頂出桿數量	No. of ejector pins	piece	5		
最大模板開距	Max. daylight	mm	810		
最小模具尺寸	Min. mold dimension	mm	287 × 287		
模板尺寸	Platen dimensions (HxV)	mm	610 x 610		
射出單元	INJECTION UNIT	Unit	i 510		
			A	B	C
螺桿直徑	Screw diameter	mm	38	42	45
螺桿長徑比	Screw L/D ratio	L/D	22.1	20.0	18.7
理論射出容積	Shot size (theoretical)	cm3	222	270	310
射出量	Injection weight (PS)	g	202	246	282
射出壓力	Injection pressure	kg/cm2	2377	1938	1693
對空射出速率	Injection rate into air (PS)	g/s	130	159	182
螺桿轉速	Screw speed	rpm	250		
最大射出速度	Max. injection speed	mm/s	126		
射出行程	Injection stroke	mm	195		
其它	OTHERS	Unit	i 510		
最大系統壓力	Max. pump pressure	Mpa	17.5		
馬達出力	Pump motor power	kW	20		
電熱功率	Heating power	kW	9.5		
料斗容積	Hopper capacity	kg	25		
油箱容積	Oil tank volume	L	160		
整機重量	Total machine weight	Ton	4.4		
外形尺寸	Machine dimension (LxWxH)	m	4.66 x 1.45 x 2.07		

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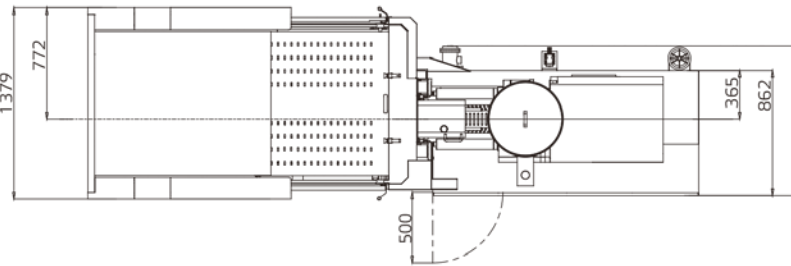
機台相關尺寸圖 Machine Template Drawing

單位 (Unit) : mm

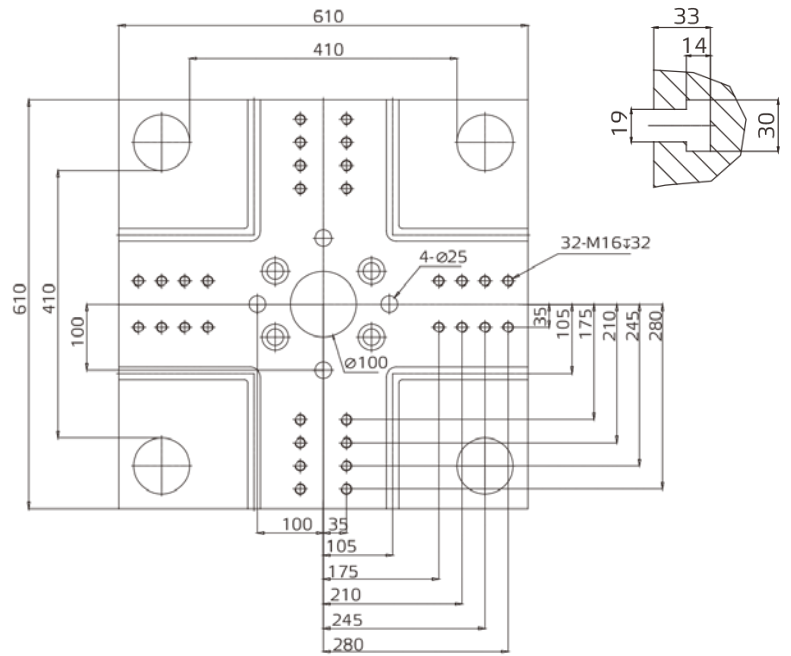
外形尺寸主視圖 Front view of machine dimension



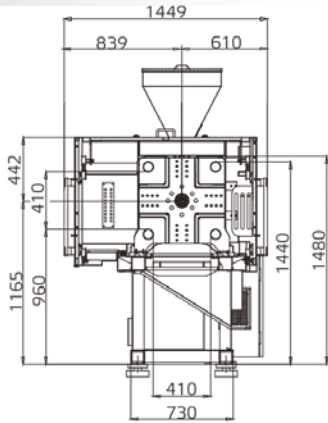
外形尺寸俯視圖 Top view of machine dimension



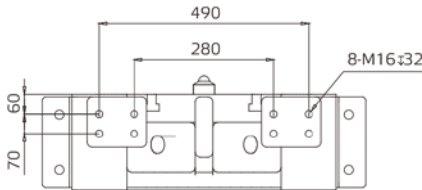
動模板正面尺寸圖 Moving platen dimension



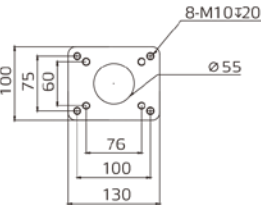
機械手安裝尺寸圖 Robot installation dimension



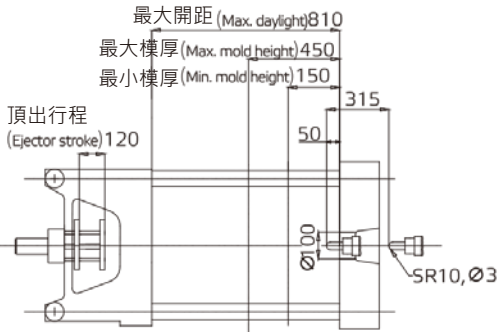
機械手安裝孔位圖 Robot fixed platen dimension



加料口安裝尺寸 Feeding port dimensions



鎖模裝置 Clamping unit



CLF-160TS SERIES

■ 系列規格表 Specifications

機型	MACHINE MODEL	單位	CLF-160TS		
鎖模單元	CLAMPING UNIT	Unit			
鎖模力	Clamping force	Ton	160		
開模行程	Die opening stroke	mm	450		
柱內距	Space between tie bars	mm	470 × 470		
最大模厚	Max. mold height	mm	530		
最小模厚	Min. mold height	mm	180		
頂出行程	Ejector stroke	mm	150		
頂出力	Ejector force	Ton	4.9		
頂出桿數量	No. of ejector pins	piece	5		
最大模板開距	Max. daylight	mm	980		
最小模具尺寸	Min. mold dimension	mm	329 × 329		
模板尺寸	Platen dimensions (HxV)	mm	700 x 700		
射出單元	INJECTION UNIT	Unit	i 600		
			A	B	C
螺桿直徑	Screw diameter	mm	42	45	50
螺桿長徑比	Screw L/D ratio	L/D	21.4	20.0	18.0
理論射出容積	Shot size (theoretical)	cm3	312	358	442
射出量	Injection weight (PS)	g	284	326	402
射出壓力	Injection pressure	kg/cm2	2280	1986	1609
對空射出速率	Injection rate into air (PS)	g/s	135	155	192
螺桿轉速	Screw speed	rpm	238		
最大射出速度	Max. injection speed	mm/s	107		
射出行程	Injection stroke	mm	225		
其它	OTHERS	Unit	i 600		
最大系統壓力	Max. pump pressure	Mpa	17.5		
馬達出力	Pump motor power	kW	20		
電熱功率	Heating power	kW	10.4		
料斗容積	Hopper capacity	kg	50		
油箱容積	Oil tank volume	L	190		
整機重量	Total machine weight	Ton	5.4		
外形尺寸	Machine dimension (LxWxH)	m	4.98 x 1.37 x 2.11		

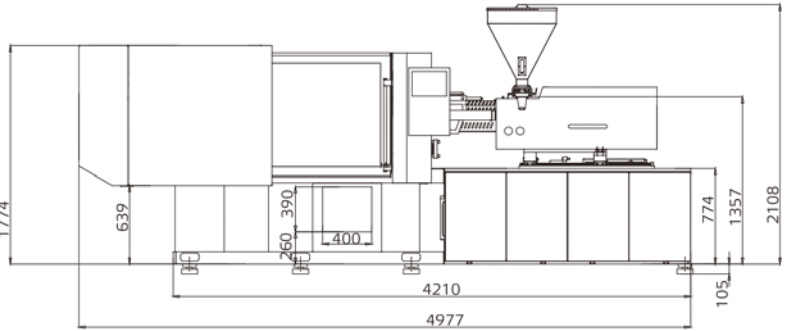
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單位 (Unit) : mm

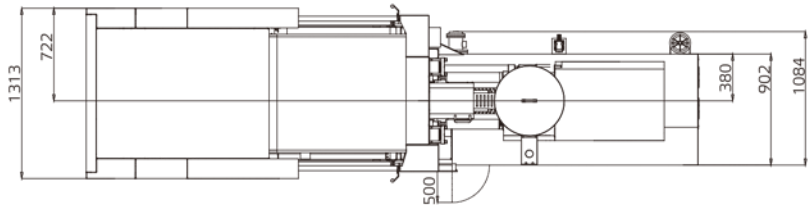
■ 機台相關尺寸圖 Machine Template Drawing

MACHINE MODEL	CLF-160TS
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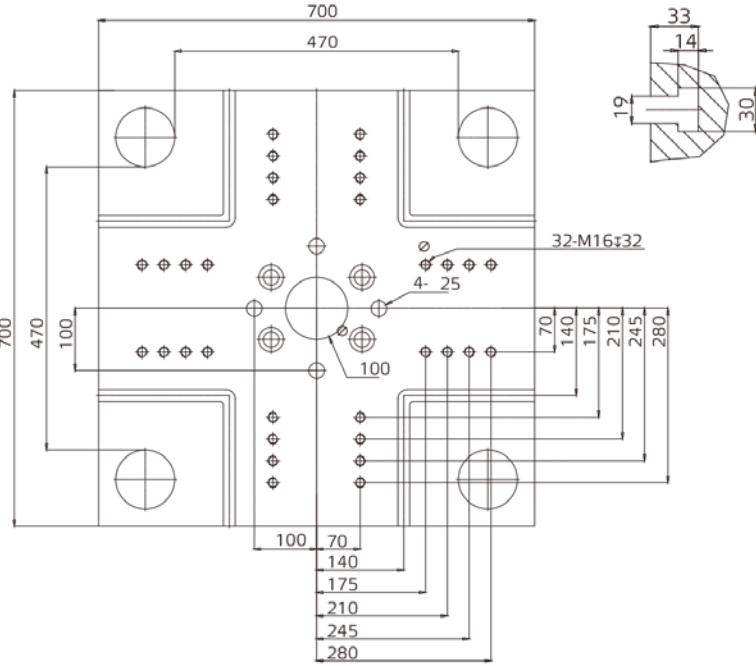
■ 外形尺寸主視圖 Front view of machine dimension



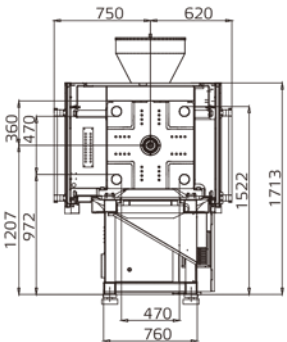
■ 外形尺寸俯視圖 Top view of machine dimension



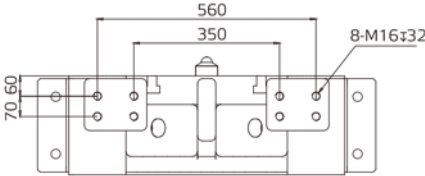
■ 動模板正面尺寸圖 Moving platen dimension



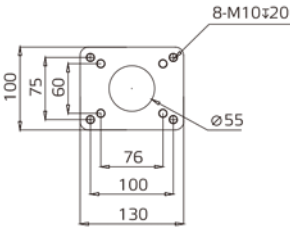
■ 機械手安裝尺寸圖 Robot installation dimension



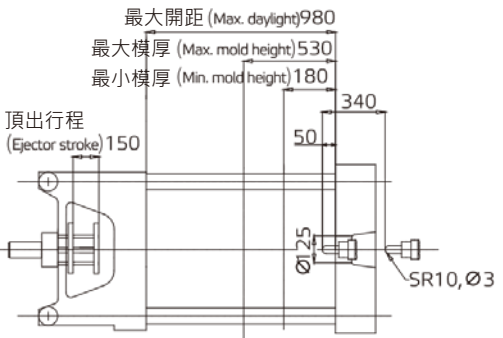
■ 機械手安裝孔位圖 Robot fixed platen dimension



■ 加料口安裝尺寸 Feeding port dimensions



■ 鎖模裝置 Clamping unit



CLF-200TS SERIES

系列規格表 Specifications

機型	MACHINE MODEL	單位	CLF-200TS		
鎖模單元	CLAMPING UNIT	Unit			
鎖模力	Clamping force	Ton	200		
開模行程	Die opening stroke	mm	510		
柱內距	Space between tie bars	mm	530 × 530		
最大模厚	Max. mold height	mm	560		
最小模厚	Min. mold height	mm	200		
頂出行程	Ejector stroke	mm	150		
頂出力	Ejector force	Ton	6.7		
頂出桿數量	No. of ejector pins	piece	9		
最大模板開距	Max. daylight	mm	1070		
最小模具尺寸	Min. mold dimension	mm	371 x 371		
模板尺寸	Platen dimensions (HxV)	mm	800 x 800		
射出單元	INJECTION UNIT	Unit	i 850		
			A	B	C
螺桿直徑	Screw diameter	mm	45	50	55
螺桿長徑比	Screw L/D ratio	L/D	22.2	20	18.2
理論射出容積	Shot size (theoretical)	cm3	374	461	558
射出量	Injection weight (PS)	g	340	420	508
射出壓力	Injection pressure	kg/cm2	2345	1899	1570
對空射出速率	Injection rate into air (PS)	g/s	164	203	246
螺桿轉速	Screw speed	rpm	230		
最大射出速度	Max. injection speed	mm/s	114		
射出行程	Injection stroke	mm	235		
其它	OTHERS	Unit	i 850		
最大系統壓力	Max. pump pressure	Mpa	17.5		
馬達出力	Pump motor power	kW	25		
電熱功率	Heating power	kW	13		
料斗容積	Hopper capacity	kg	50		
油箱容積	Oil tank volume	L	210		
整機重量	Total machine weight	Ton	6.9		
外形尺寸	Machine dimension (LxWxH)	m	5.26 x 1.68 x 2.17		

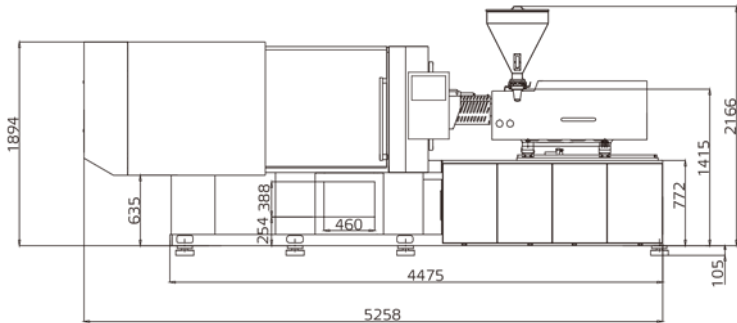
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單位 (Unit) : mm

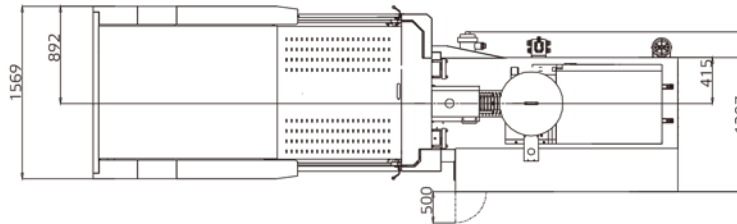
機台相關尺寸圖 Machine Template Drawing

MACHINE MODEL	CLF-200TS
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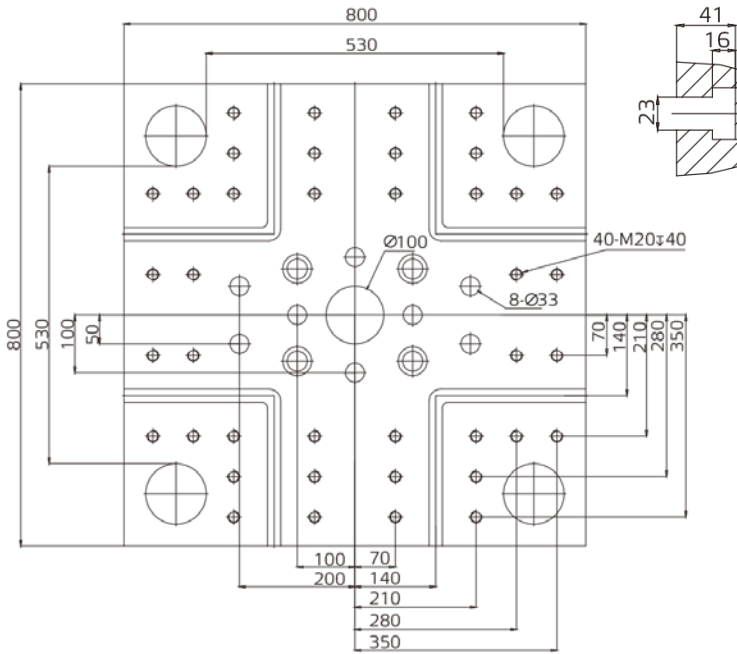
外形尺寸主視圖 Front view of machine dimension



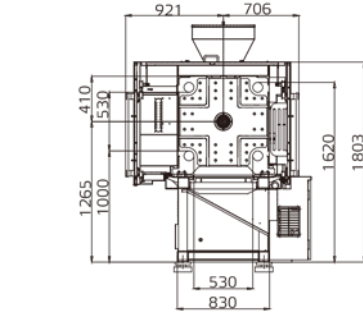
外形尺寸俯視圖 Top view of machine dimension



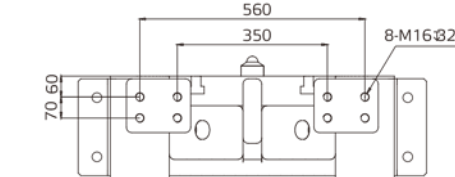
動模板正面尺寸圖 Moving platen dimension



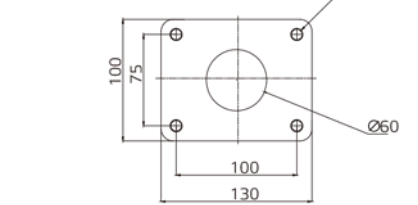
機械手安裝尺寸圖 Robot installation dimension



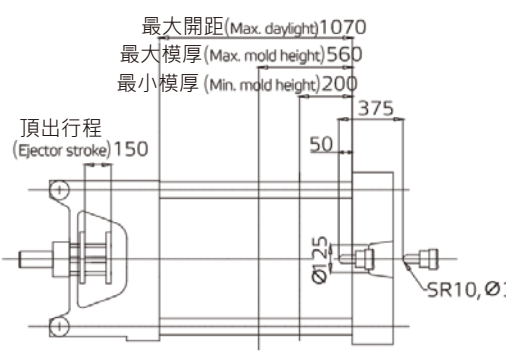
機械手安裝孔位圖 Robot fixed platen dimension



加料口安裝尺寸 Feeding port dimensions



鎖模裝置 Clamping unit



CLF-260TS SERIES

系列規格表 Specifications

機型	MACHINE MODEL	單位	CLF-260TS		
鎖模單元	CLAMPING UNIT	Unit			
鎖模力	Clamping force	Ton	260		
開模行程	Die opening stroke	mm	550		
柱內距	Space between tie bars	mm	610 × 570		
最大模厚	Max. mold height	mm	600		
最小模厚	Min. mold height	mm	220		
頂出行程	Ejector stroke	mm	160		
頂出力	Ejector force	Ton	67		
頂出桿數量	No. of ejector pins	piece	13		
最大模板開距	Max. daylight	mm	1150		
最小模具尺寸	Min. mold dimension	mm	427 x 427		
模板尺寸	Platen dimensions (HxV)	mm	890 × 850		
射出單元	INJECTION UNIT	Unit	i 1100		
			A	B	C
螺桿直徑	Screw diameter	mm	50	55	60
螺桿長徑比	Screw L/D ratio	L/D	22	20	18.3
理論射出容積	Shot size (theoretical)	cm3	522	632	752
射出重量	Injection weight (PS)	g	475	571	684
射出壓力	Injection pressure	kg/cm2	2399	1983	1666
對空射出速率	Injection rate into air (PS)	g/s	197	238	284
螺桿轉速	Screw speed	rpm	220		
最大射出速度	Max. injection speed	mm/s	110		
射出行程	Injection stroke	mm	266		
其它	OTHERS	Unit	i 1100		
最大系統壓力	Max. pump pressure	Mpa	17.5		
馬達出力	Pump motor power	kW	32		
電熱功率	Heating power	kW	16		
料斗容積	Hopper capacity	kg	50		
油箱容積	Oil tank volume	L	255		
整機重量	Total machine weight	Ton	8.4		
外形尺寸	Machine dimension (LxWxH)	m	5.45 x 1.63 x 2.20		

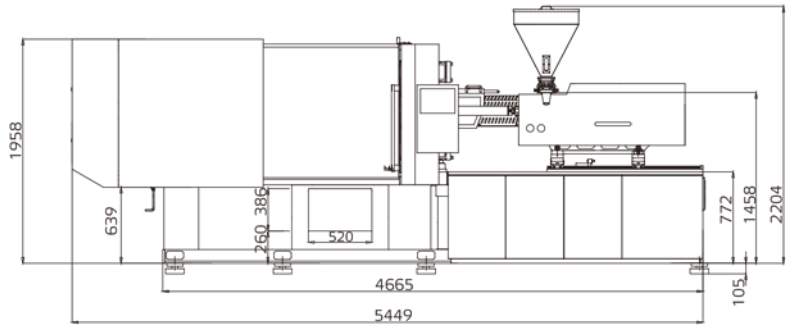
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機台相關尺寸圖 Machine Template Drawing

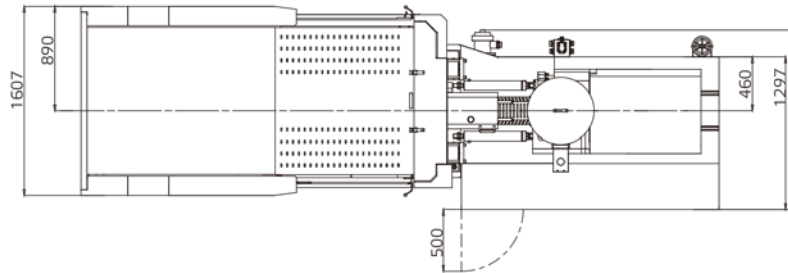
單位 (Unit) : mm

MACHINE MODEL	CLF-260TS
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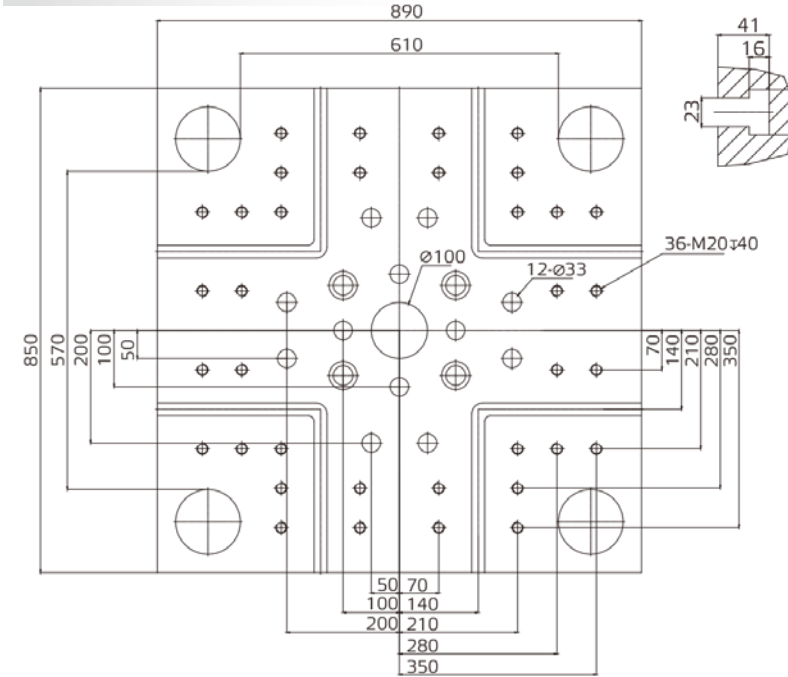
外形尺寸主視圖 Front view of machine dimension



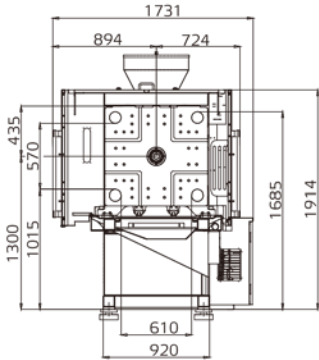
外形尺寸俯視圖 Top view of machine dimension



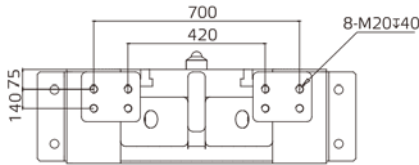
動模板正面尺寸圖 Moving platen dimension



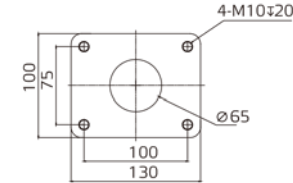
機械手安裝尺寸圖 Robot installation dimension



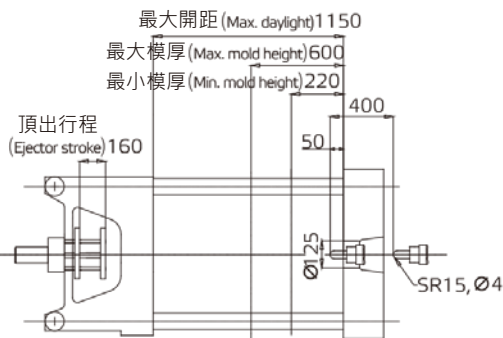
機械手安裝孔位圖 Robot fixed platen dimension



加料口安裝尺寸 Feeding port dimensions



鎖模裝置 Clamping unit



CLF-320TS SERIES

系列規格表 Specifications

機型	MACHINE MODEL	單位	CLF-320TS		
鎖模單元	CLAMPING UNIT	Unit			
鎖模力	Clamping force	Ton	320		
開模行程	Die opening stroke	mm	650		
柱內距	Space between tie bars	mm	710 × 670		
最大模厚	Max. mold height	mm	685		
最小模厚	Min. mold height	mm	250		
頂出行程	Ejector stroke	mm	160		
頂出力	Ejector force	Ton	6.7		
頂出桿數量	No. of ejector pins	piece	13		
最大模板開距	Max. daylight	mm	1335		
最小模具尺寸	Min. mold dimension	mm	497 × 497		
模板尺寸	Platen dimensions (HxV)	mm	1035 x 1005		
射出單元	INJECTION UNIT	Unit	i 1900		
			A	B	C
螺桿直徑	Screw diameter	mm	60	65	70
螺桿長徑比	Screw L/D ratio	L/D	21.7	20	18.6
理論射出容積	Shot size (theoretical)	cm3	845	992	1151
射出重量	Injection weight (PS)	g	769	903	1047
射出壓力	Injection pressure	kg/cm2	2232	1901	1639
對空射出速率	Injection rate into air (PS)	g/s	299	352	408
螺桿轉速	Screw speed	rpm	200		
最大射出速度	Max. injection speed	mm/s	117		
射出行程	Injection stroke	mm	299		
其它	OTHERS	Unit	i 1900		
最大系統壓力	Max. pump pressure	Mpa	17.5		
馬達出力	Pump motor power	kW	51		
電熱功率	Heating power	kW	25		
料斗容積	Hopper capacity	kg	50		
油箱容積	Oil tank volume	L	445		
整機重量	Total machine weight	Ton	12.1		
外形尺寸	Machine dimension (LxWxH)	m	6.56 x 1.89 x 2.31		

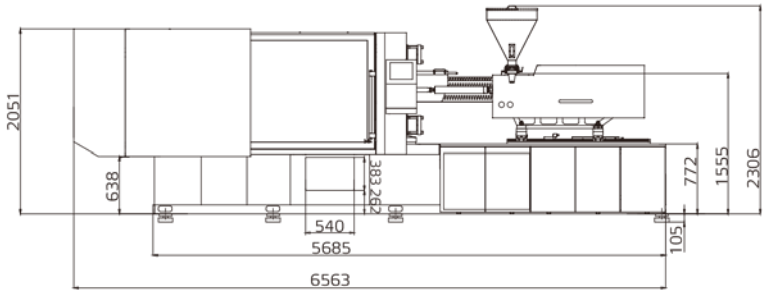
若上述數據依實際設計需求而有所變更，恕不另行通知。To meet actual requirements of design, above values are subject to change without prior notice.

單位 (Unit) : mm

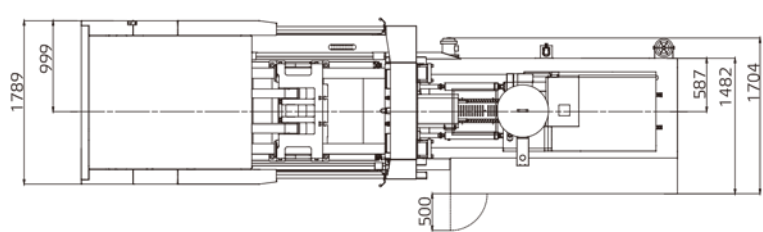
機台相關尺寸圖 Machine Template Drawing

MACHINE MODEL	CLF-320TS
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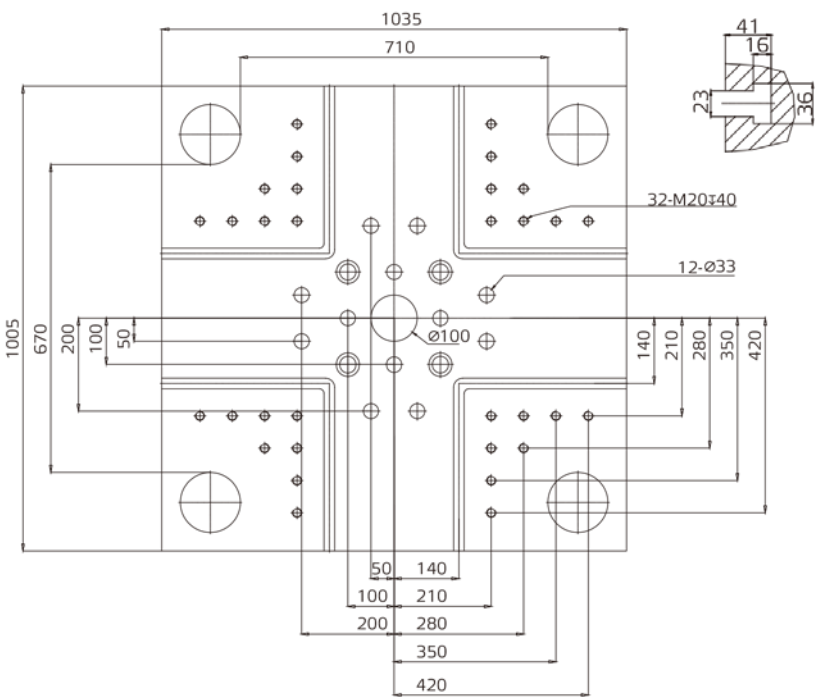
外形尺寸主視圖 Front view of machine dimension



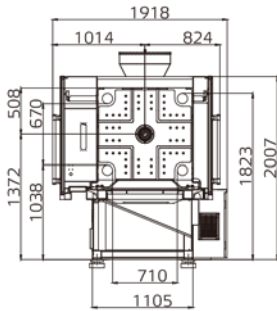
外形尺寸俯視圖 Top view of machine dimension



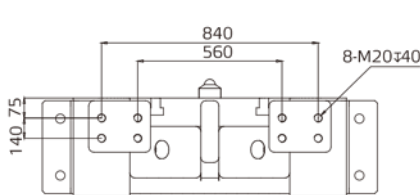
動模板正面尺寸圖 Moving platen dimension



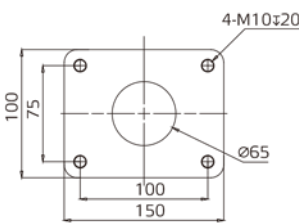
機械手安裝尺寸圖 Robot installation dimension



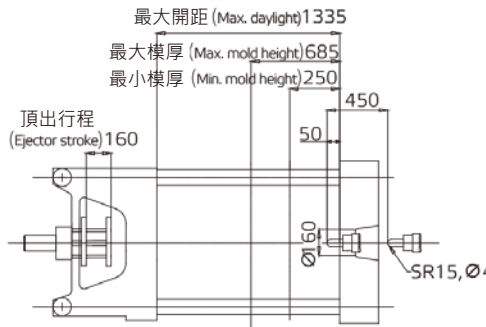
機械手安裝孔位圖 Robot fixed platen dimension



加料口安裝尺寸 Feeding port dimensions



鎖模裝置 Clamping unit



CLF-400TS SERIES

■ 系列規格表 Specifications

機型	MACHINE MODEL	單位	CLF-400TS		
鎖模單元	CLAMPING UNIT	Unit			
鎖模力	Clamping force	Ton	400		
開模行程	Die opening stroke	mm	720		
柱內距	Space between tie bars	mm	760 × 710		
最大模厚	Max. mold height	mm	750		
最小模厚	Min. mold height	mm	280		
頂出行程	Ejector stroke	mm	200		
頂出力	Ejector force	Ton	12.4		
頂出桿數量	No. of ejector pins	piece	13		
最大模板開距	Max. daylight	mm	1470		
最小模具尺寸	Min. mold dimension	mm	532 × 532		
模板尺寸	Platen dimensions (HxV)	mm	1100 x 1050		
射出單元	INJECTION UNIT	Unit	i 2500		
			A	B	C
螺桿直徑	Screw diameter	mm	65	70	75
螺桿長徑比	Screw L/D ratio	L/D	23.7	22	20.5
理論射出容積	Shot size (theoretical)	cm3	1161	1347	1546
射出重量	Injection weight (PS)	g	1057	1226	1407
射出壓力	Injection pressure	kg/cm2	2197	1894	1650
對空射出速率	Injection rate into air (PS)	g/s	375	434	499
螺桿轉速	Screw speed	rpm	185		
最大射出速度	Max. injection speed	mm/s	124		
射出行程	Injection stroke	mm	350		
其它	OTHERS	Unit	i 2500		
最大系統壓力	Max. pump pressure	Mpa	17.5		
馬達出力	Pump motor power	kW	61		
電熱功率	Heating power	kW	26		
料斗容積	Hopper capacity	kg	50		
油箱容積	Oil tank volume	L	535		
整機重量	Total machine weight	Ton	15.5		
外形尺寸	Machine dimension (LxWxH)	m	7.40 x 2.11 x 2.46		

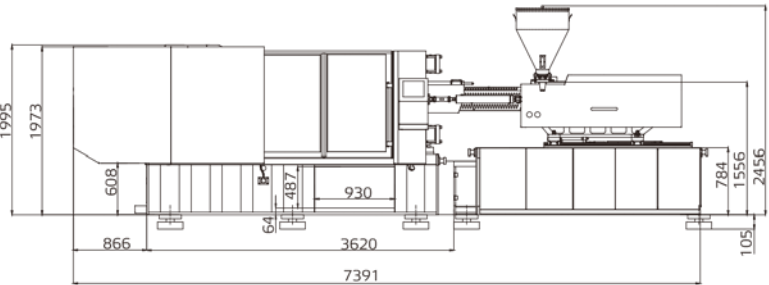
若上述數據依實際設計需求而有所變更，恕不另行通知。To meet actual requirements of design, above values are subject to change without prior notice.

■ 機台相關尺寸圖 Machine Template Drawing

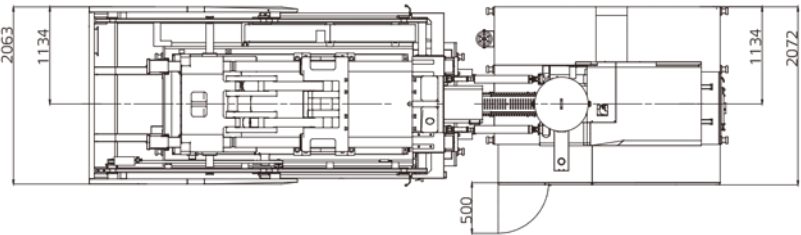
單位 (Unit) : mm

MACHINE MODEL	CLF-400TS
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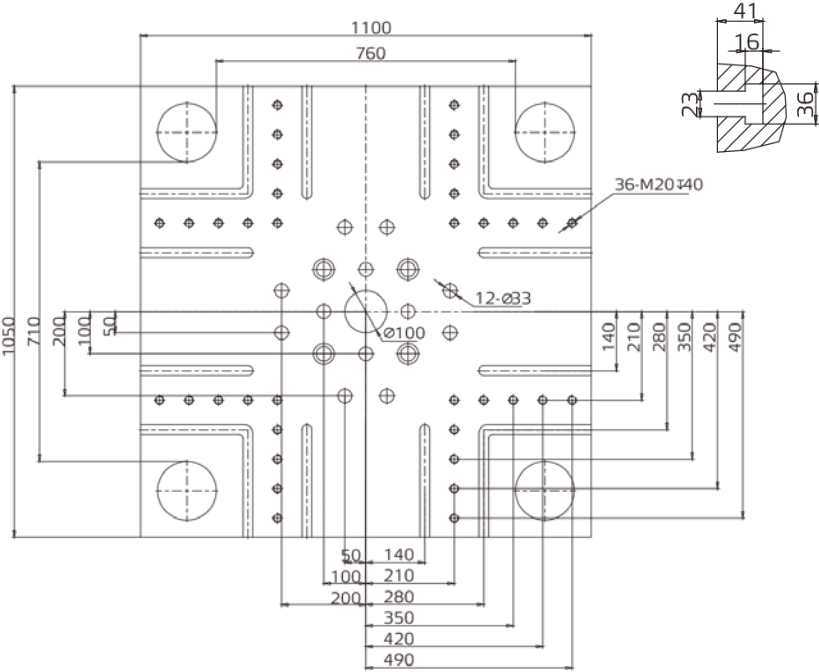
■ 外形尺寸主視圖 Front view of machine dimension



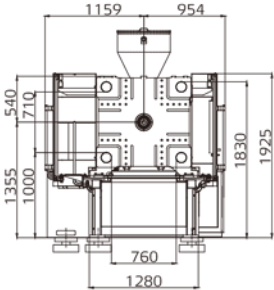
■ 外形尺寸俯視圖 Top view of machine dimension



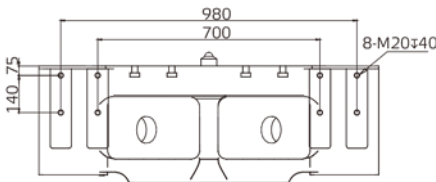
■ 動模板正面尺寸圖 Moving platen dimension



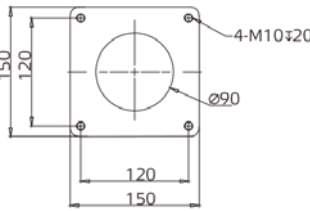
■ 機械手安裝尺寸圖 Robot installation dimension



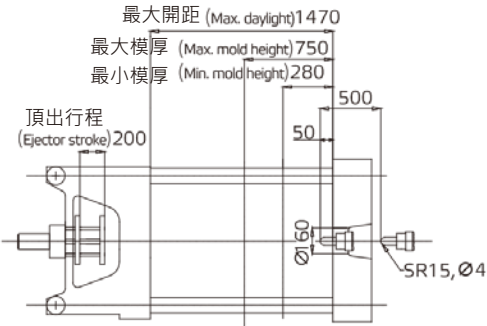
■ 機械手安裝孔位圖 Robot fixed platen dimension



■ 加料口安裝尺寸 Feeding port dimensions



■ 鎖模裝置 Clamping unit



CLF-500TS SERIES

系列規格表 Specifications

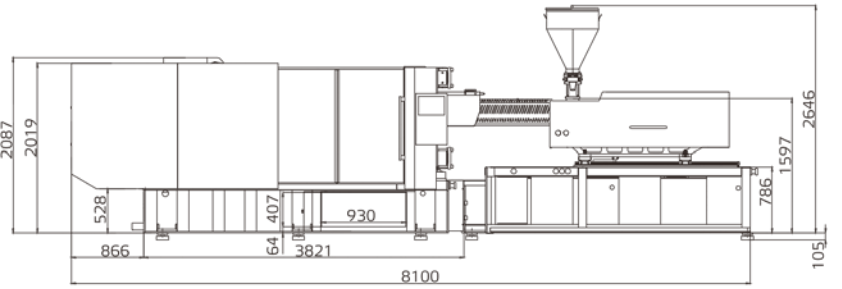
機型	MACHINE MODEL	單位	CLF-500TS		
鎖模單元	CLAMPING UNIT	Unit			
鎖模力	Clamping force	Ton	500		
開模行程	Die opening stroke	mm	800		
柱內距	Space between tie bars	mm	820 × 820		
最大模厚	Max. mold height	mm	800		
最小模厚	Min. mold height	mm	320		
頂出行程	Ejector stroke	mm	200		
頂出力	Ejector force	Ton	12.4		
頂出桿數量	No. of ejector pins	piece	17		
最大模板開距	Max. daylight	mm	1600		
最小模具尺寸	Min. mold dimension	mm	574 × 574		
模板尺寸	Platen dimensions (HxV)	mm	1205 x 1205		
射出單元	INJECTION UNIT	Unit	i 3800		
			A	B	C
螺桿直徑	Screw diameter	mm	75	80	85
螺桿長徑比	Screw L/D ratio	L/D	23.5	22	20.7
理論射出容積	Shot size (theoretical)	cm3	1785	2031	2293
射出重量	Injection weight (PS)	g	1624	1848	2086
射出壓力	Injection pressure	kg/cm2	2049	1841	1631
對空射出速率	Injection rate into air (PS)	g/s	452	514	580
螺桿轉速	Screw speed	rpm	165		
最大射出速度	Max. injection speed	mm/s	112		
射出行程	Injection stroke	mm	404		
其它	OTHERS	Unit	i 3800		
最大系統壓力	Max. pump pressure	Mpa	17.5		
馬達出力	Pump motor power	kW	32+32		
電熱功率	Heating power	kW	37		
料斗容積	Hopper capacity	kg	50		
油箱容積	Oil tank volume	L	590		
整機重量	Total machine weight	Ton	19.8		
外形尺寸	Machine dimension (LxWxH)	m	8.1 x 2.17 x 2.65		

若上述數據依實際設計需求而有所變更，恕不另行通知。To meet actual requirements of design, above values are subject to change without prior notice.

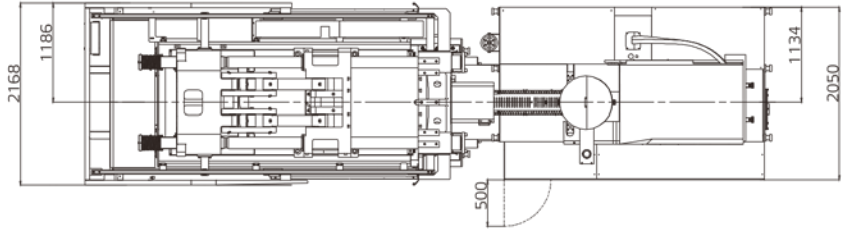
機台相關尺寸圖 Machine Template Drawing

單位 (Unit) : mm

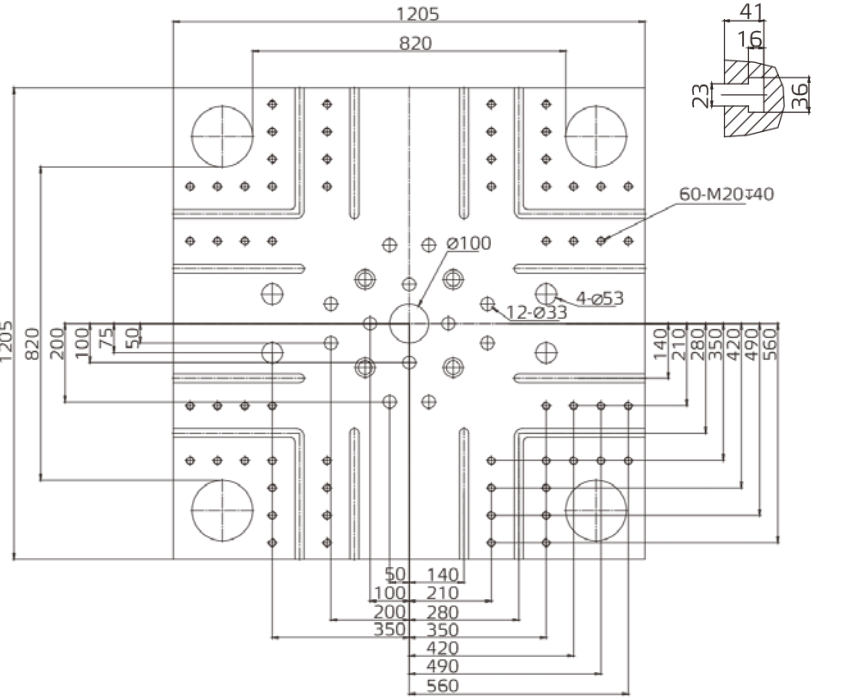
外形尺寸主視圖 Front view of machine dimension



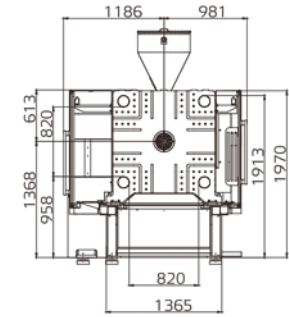
外形尺寸俯視圖 Top view of machine dimension



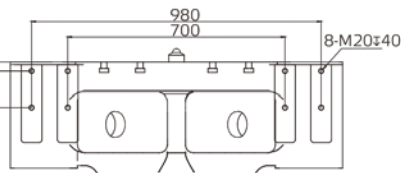
動模板正面尺寸圖 Moving platen dimension



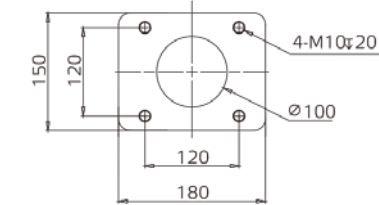
機械手安裝尺寸圖 Robot installation dimension



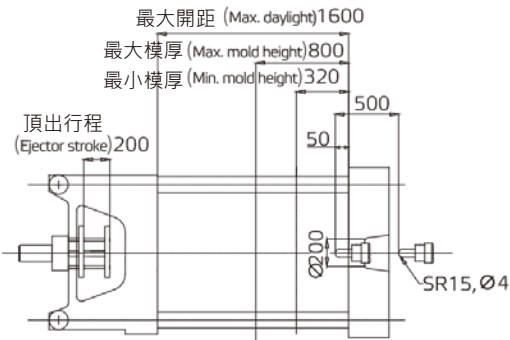
機械手安裝孔位圖 Robot fixed platen dimension



加料口安裝尺寸 Feeding port dimensions



鎖模裝置 Clamping unit



鎖模部件 For Clamping

功能描述\鎖模單元	CLF-90TS
FUNCTION DESCRIPTION \ CLAMPING FORCE	~ 500TS
高剛性5點式鎖模機構	●
High rigidity 5 points-doubt toggle structure	
螺絲孔模板	●
Screw platen	
T型槽+螺絲孔模板	●
T-slot platen+Screw platen	
模板（歐規2模具安裝尺寸）	●
Platen Euromap 2 size	
前模板模具定位環	●
Locating ring on moving platen	
機械、電氣、液壓三重安全保護	●
Mechanical, electric and hydraulic safety	
曲肘、動模滑板、動模支柱布司檢知式自動集中稀油潤滑系統	●
Automatic central lubricating system for toggle, platen shoe and bush	
調模等其餘集中油脂潤滑	●
Central lubrication system for mould adjust	
多種頂出控制方式	●
Various eject function	
低壓模保功能	●
Low pressure mold protection	
一鍵式自動調模功能	●
One button automatic mold adjustment	
調模自鎖馬達	●
Self-lock mold adjust motor	
頂出倒拉功能	●
Compulsory ejector-back function	
中心頂出桿快裝結構	●
Quick change of central eject pin	
開關模、頂出精密電子尺控制	●
Transducer on moving platen	
可調式動模板支撐裝置	●
Adjustable supporting feet for moving platen	
動模板移動高硬度鋼帶	●
High rigidity sliding belt for moving platen	
歐規18機械手安裝位置	●
Euromap 18 robot interface	
動模板機械限位裝置	●
Mechanical position limitation for moving platen	
快插接頭分水器	●
Fast connecting water regulator	
兩組抽芯閥	●
2 groups of core pulling valve	
兩組吹氣閥	●
2 groups of air blaster valve	
玻璃管冷卻流量計	●
Glass water regulation	
開關模比例閥	●
Proportional mold open/close valve	

射出部件 For Injection

功能描述\射出單元	i 380
FUNCTION DESCRIPTION \ INJECTION UNIT	~ i 3800
標準氮化合金鋼螺桿料管	●
Standard nitriding screw and barrel	
專用螺桿料管	●
Specialized screw and barrel	
雙缸平衡射出結構	●
Double injection cylinder structure	
雙缸座台移動	●
Double carriage cylinder injection unit	
射出雙層線軌結構	●
Double stage linear guide injection structure	
射座台移動電子尺控制	●
Carriage transducer	
螺桿轉速顯示	●
Screw rotation speed display	
射出比例閥	●
Proportional injection valve	
儲料油壓馬達	●
Hydraulic plasticizing	
儲料背壓比例控制	●
Proportional back pressure control	
螺桿防冷啟動功能	●
Cold start protection	
自動清料功能	●
Material self-cleaning function	
下料口溫度檢測	●
Temperature monitor for feeding throat	
下料口溫度閉環控制	●
Feeding throat temperature close loop control	
料管隔熱防護	●
Barrel overheating protection	
射嘴防護罩	●
Nozzle cover	
整移自鎖閥	●
Self-lock valve for carriage	
射出台旋轉裝置	●
Swivel injection unit	
射座台手動集中潤滑裝置	●
Manual central lubricating device for carriage	
雲母加熱圈	●
Mica heating band	
陶瓷加熱圈	●
Ceramic heating band	
遠紅外線加熱圈	●
Nano infrared heating band	
滾動移動加料斗	●
Wheel sliding hopper	
不鏽鋼料斗	●
Stainless hopper	

● 標配 Standard ● 選配 Optional

電氣軟控 For Electric

功能描述\射出單元	CLF-90TS ~ 500TS
FUNCTION DESCRIPTION \ INJECTION UNIT	
弘訊 Tech530 12寸鋁殼屏	●
Techmation controller 12 screen	
KEBA 控制器	●
KEBA controller	
各動作工況實時監視功能	●
Real time running monitoring function	
生產資料監測功能	●
Production monitoring function	
故障報警顯示功能	●
Alarm display	
射出轉保壓時間或位置控制	●
Time/Position control for the injection to pressure hold	
射出轉保壓壓力控制	●
Pressure control from injection to pressure hold	
1/0監測顯示	●
1/0 monitoring display	
三色報警燈	●
Tri-color alarm	
電機過載保護	●
Motor overload protection	
前、後門緊急停止按鈕	●
Emergency stop on front/rear door	
380V/16A五芯插座1組	●
380V/16A 5 pin socket *1	
380V/16A五芯插座2組、220V/16A三芯插座1組	●
380V/16A 5 pin socket* 2 、220V/16A 3 pin socket *1	
380V/32A五芯插座2組、380V/16A五芯插座1組、220V/16A三芯插座1組	●
380V/32A 5 pin socket *2、380V/16A 5 pin socket *1、220V/16A 3 pin socket*1	
伺服動力系統變電壓	●
Transformer for servomotor system	
歐規12機械手接口	●
Euromap 12 robot interface	
歐規67機械手接口	●
Euromap 67 robot interface	
歐規13中子接口	●
Euromap 13 core pulling interface	
加熱雙重保護	●
Double protection for heating	
安全繼電器監控	●
Safety relay monitoring	
加熱固態繼電器控制	●
SSR heating control	
計算機網絡集中控制系統	●
Network centralized control system	
實時能耗監測	●
Instant power consumption display	
實時鎖模力監控	●
Instant clamping force display	

● 標配 Standard ● 選配 Optional

液壓系統 For Hydraulic

功能描述\鎖模單元	CLF-90TS ~ 500TS
FUNCTION DESCRIPTION \ CLAMPING FORCE	
高響應高剛性伺服動力系統	●
Fast response servo system	
加大儲料馬達	●
Upgrade screw motor	●
高精度旁路過濾裝置	
Bi-pass oil filter	●
液壓安全裝置	
Hydraulic safety device	●
整移自鎖閥	
Carriage self lock valve	●
調模自鎖馬達	
Self lock motor	●
合模差動	
Mold close control valve	●
低壓模保	●
Low pressure mold protection function	
開模減震裝置	●
Mold open shock mitigation device	
射出管路洩壓裝置	●
Injection pressure relief device	
射出轉保壓壓力控制	●
Pressure control for Injection to hold on pressure	
多種順序注射功能	●
Programmable injection sequence	
獨立油箱	●
Independent oil tank	
冷水閥	●
Cooling water valve	
非焊管路	●
Non-welding hydraulic pipe	
油溫檢測	●
Temperature monitoring	
油位報警	●
Oil level alarm	
自封式吸油過濾器	●
Oil self-suction filter	
軟管防爆鏈	●
Protective link for hoses	
射出比例閥	●
Proportional injection valve	
射出伺服閥	●
Injection servo valve	
開關模比例閥	●
Proportional valve for mould open/close	
兩組抽芯	●
2 groups of core pulling	
兩組吹氣	●
2 groups of air blaster	

● 標配 Standard ● 選配 Optional

其它配置 For Other

功能描述 \ 其它	CLF-90TS ~ 320TS	CLF-400TS ~ 500TS
FUNCTION DESCRIPTION \ OTHER		
防震墊腳	●	●
Leveling pad		
附件箱、常用工具、模具壓板、易備件、加長射嘴、說明書	●	●
Spare parts, regular tools, mold clamber, extended nozzle, operation manual		
機械手	●	●
Robot		
磁力架（乾燥料斗用）	●	●
Magnetic grate		
冷水機	●	●
Chiller		
模溫機（控制模具溫度）	●	●
Mold temperature controller		
除濕機	●	●
Dehumidifier		
自動上料機	●	●
Auto loader		
熏蒸木裝箱	●	●
Fumigation wood frame		
機器裝滿液壓油	●	●
Hydraulic oil		
取製品平台	●	●
Product platform		

● 標配 Standard ● 選配 Optional