

Management system as per
执行以下标准

ISO 9001: 2015
ISO 14001: 2015



Website WeChat

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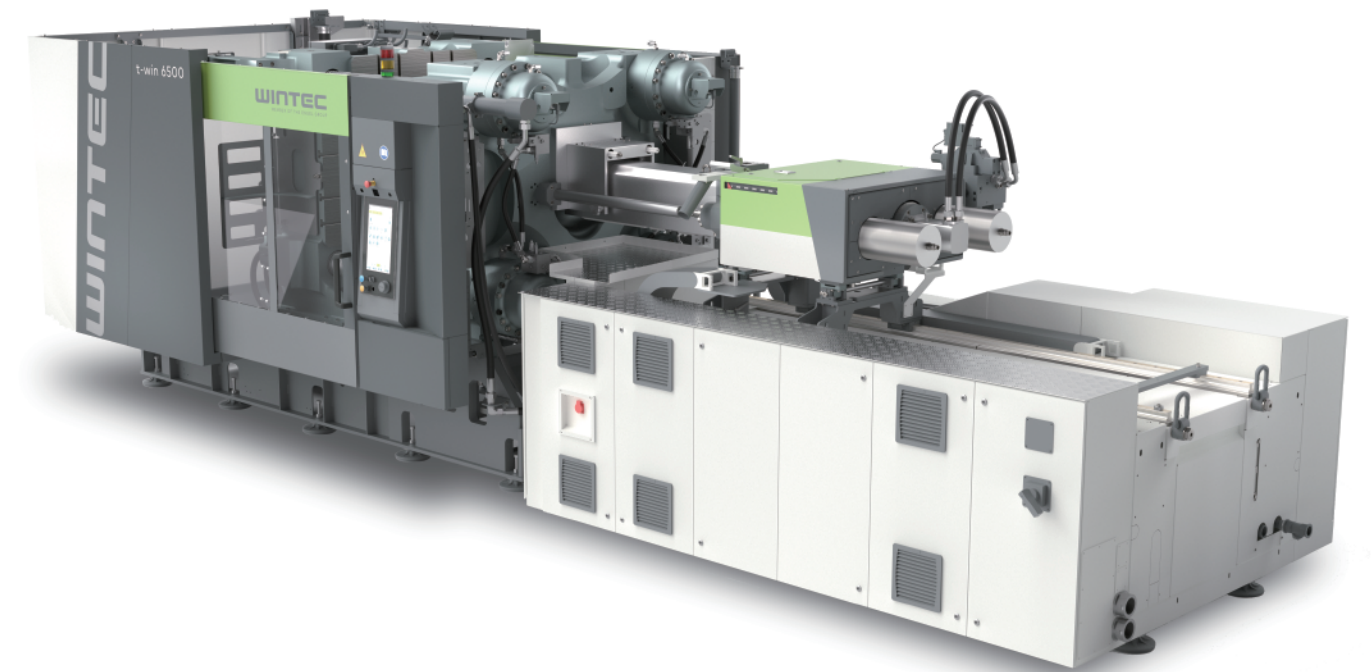
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WINTEC
MEMBER OF THE ENGEL GROUP

t-win Global

HYDRAULIC TWO PLATEN INJECTION MOLDING MACHINE

液压二板注塑机



Production Locations 全球工厂



ENGEL, as the world's leading supplier of injection molding machines, represents stability and continuity in the industry. As a 100% owned subsidiary of ENGEL, WINTEC will spare no effort to create efficient and stable injection molding machines. At the same time, WINTEC relies on the strength of its parent company and its comprehensive global sales and service network to provide fast and effective after-sales support while ensuring the quality of its products, making it a reliable partner for your successful international development.

ENGEL作为世界领先注塑机供应商,是稳定性和持续性的行业代表。作为ENGEL的全资子公司,WINTEC将不遗余力地打造高效稳定的注塑设备。

同时WINTEC依靠母公司的雄厚实力及健全的全球销售及服务网络,在确保产品品质优良的前提下,能快速有效地提供售后服务支持,是您国际化发展进程中可靠的合作伙伴。

ENGEL GROUP

9 PRODUCTION PLANTS
9 个生产工厂

30 SUBSIDIARIES
30 个分支机构

60 REPRESENTATIVES
60 个代表处



YORK, US
美国·约克



DIETACH, AT
奥地利·迪塔赫



PYUNGTAEK-CITY, KR
韩国·平泽市



HAGEN, DE
德国·哈根



SCHWERTBERG, AT
奥地利·施韦特贝格



SHANGHAI, CN
中国·上海



KAPLICE, CZ
捷克·卡普利采



ST. VALENTIN, AT
奥地利·圣瓦伦丁



CHANGZHOU, CN
中国·常州



Located in Changzhou, Jiangsu Province, China, WINTEC is the second brand established by ENGEL Group in 2014, insisting on high quality products and reliable services for the commodity segment of injection molding.

After several years of sustainable growth and continuous development of our portfolio, WINTEC rollout to Europe in 2020. The worldwide sales and service network of the ENGEL Group provides you with high quality injection molding machines for standard applications while ensuring fast and effective after-sales support.

WINTEC位于中国江苏省常州市，是ENGEL集团于2014年创立的第二品牌，坚持以高品质的产品和可信赖的服务为宗旨。

历经数年的持续增长及产品组合的不断发展，WINTEC于2020年开拓欧洲市场，自此完成了其全球推广的进程。遍布全球的销售及服务网络，为您提供高品质标准应用注塑机的同时，也确保了快速有效的售后支持。

**Jan
2013**

Groundbreaking ceremony for the new WINTEC plant
WINTEC工厂奠基仪式



**Jul
2014**

First machine delivered to Chinese customers
第一台WINTEC注塑机交付



2016

**Jun
2016**

WINTEC rollout to Middle East, Africa and Southeast Asia
WINTEC拓展中东、非洲及东南亚市场

2018

**May
2018**

WINTEC rollout to Americas
WINTEC拓展美洲市场

2020

**Oct
2020**

WINTEC rollout to Europe
WINTEC拓展欧洲市场

**Jun
2022**

Celebration of the 1000th t-win machine delivery
第1000台t-win交付仪式



t-win

YOUR ADVANTAGES AT A GLANCE

优势一览

HIGHER PRODUCTIVITY

更高的生产效率

The servo hydraulic two-platen t-win is focused on fast and high efficient production. Fast movements, short clamping force build-up time and synchronized locking device movement reduce total cycle time and increase productivity.

伺服液压驱动二板式t-win系列注塑机专注于快速、高效的生产。高速的运动，较短的锁模力建立时间及同步锁紧装置，降低了循环周期，提高了生产效率。

SMALLER FOOTPRINT

更小的占地空间

The two-platen machine concept allows a compact design for less space requirements.

紧凑的两板式设计为您节省占地空间。

INCREASED AVAILABILITY

更高的可利用率

The reliable and proven design as well as features allow fast access for maintenance and increase machine availability and output.

可靠且久经考验的设计加之稳定的性能，使赢泰注塑机易于维护，从而提高了机器的可利用率 and 产出。

HIGHER ENERGY EFFICIENCY

更高的能源利用率

The servo drive system servowin guarantees fast acceleration and low energy consumption.

伺服驱动系统保证了机器的快速运转，降低了能源消耗。

LONGER SERVICE LIFE

更长的使用寿命

Premium components and a design concepts that reduce wear on the machine – and on your mold – guarantee an extended service life of 15 to 20 years and more.

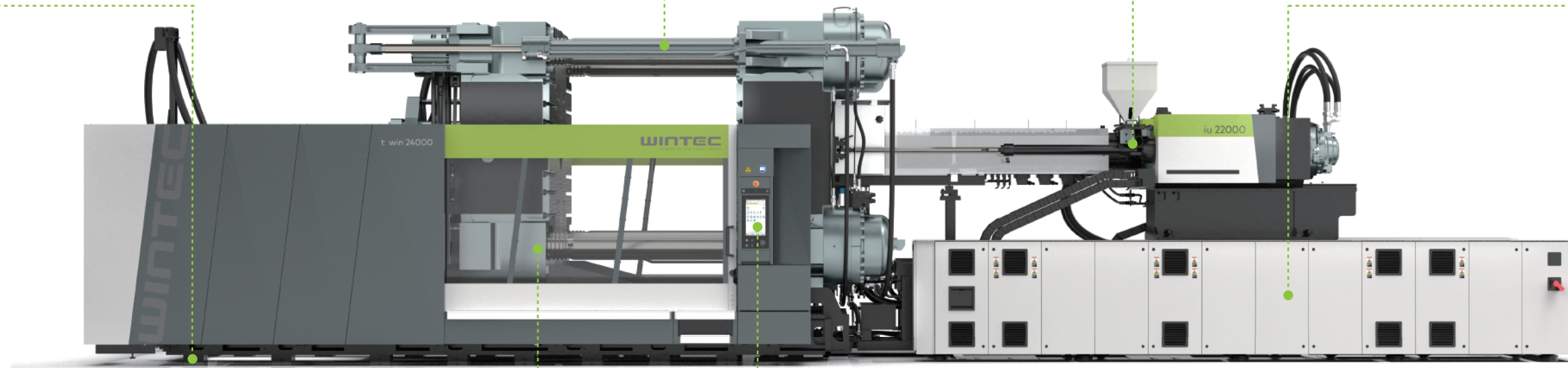
优质的元件及优秀的设计理念，降低了机器本身乃至模具的损耗，实现 15 至 20 年甚至更长的使用寿命。

SMARTER CONTROL UNIT

更智能的控制系统

Future-oriented technologies with long-term availability and transformation. Powerful extending function for future challenges. C3 controller keeps you on top of processes that continue to become more and more complex.

面向未来的技术，C3控制器具备长期的可用性和改造性。强大的扩展功能迎接未来挑战，面对越来越复杂的工艺要求依然立于不败之地。



Smart Machine 智能机器



Intuitive operation & one-touch operation

一键式直观操作

Self-explanatory navigation

清晰的导航界面

Ergonomic panel

符合人体工学的面板

Future-oriented technologies

面向未来的技术

Assistance systems

辅助系统

Individually, tailored to the operator

个性化操作

Smart Functions 智能选项



iQ weight control*

Constant filling under changing conditions
外部环境变化仍保持稳定注塑



Mold parallelism measurement

Mold parallelism measurement and clamping force optimization
模具平行度测量及锁模力优化



Mold protection*

Precision monitoring during the whole injection molding process
精密监测注塑全过程



ecograph*

Display of energy consumption for last and current cycle.

实时显示当前及上一循环的能耗



ecobalance*

Intercept of power peaks and uniform distribution of the total energy demand across the cycle.

拦截功率峰值，保持整个周期内总能耗的均匀分布



Micrograph

Recording process parameters for quality control purposes that helps you analyze, optimize and monitor the process.

记录工艺参数，为分析、优化、监测工艺质量提供帮助



Autoprotect injection monitoring*

Self-learning system for highly sensitive mold protection during injection.

高精度自学习系统确保注射过程中的模具保护



Program parameter limits*

Specifying the input range for up to 150 parameters individually to prevent setting of illogical or severely deviating.

可设置最多150个独立参数以防逻辑错误或严重偏差



e-help

Information on the most important functions and operations of a system directly at the machine.

直达机器最重要的功能和操作

For more options, please contact regional sales. 更多其他选项，请咨询当地销售人员

*Optional functions 选配功能

Clamping Unit 锁模单元			t-win 4500	t-win 5500	t-win 6500	t-win 7500	t-win 9000
Clamping force	锁模力	kN	4500	5500	6500	7500	9000
Opening force (pressure pad)	开模力(高压缸开模)	kN	260	360	440	510	620
Opening force (moving cylinder)	开模力(移模缸开模)	kN	156	190	190	190	393
Opening stroke	开模行程	mm	1050	1300	1350	1400	1600
Mold height min.	最小模厚	mm	350	350	400	450	500
Mold height max.	最大模厚	mm	850	900	950	950	1100
Total daylight max.	最大模板间距	mm	1400	1650	1750	1850	2100
Platen size h x v	模板尺寸(水平x垂直)	mm	1100 x 1190	1270 x 1260	1420 x 1370	1510 x 1440	1550 x 1520
Dist. between tie bar h x v	拉杆间距(水平x垂直)	mm	810 x 810	920 x 830	1040 x 910	1110 x 960	1180 x 1000
Mold weight max.	最大模具重量	t	6.5	8.0	9.5	11.0	13.0
Ejector stroke	顶出行程	mm	250	250	250	250	300
Ejector force	顶出力	kN	105	105	105	105	195
Dry cycle (Euromap 6) · stroke	干周期(Euromap6)·行程	sec · mm	2.9 · 550	3.1 · 600	3.4 · 700	3.4 · 700	3.9 · 800
Weight CU	锁模单元净重	t	11.3	14.1	16.5	19.4	25.0

Injection Unit 注射单元			1000			1500			2400			3500			4900			7800		
Screw diameter	螺杆直径	mm	50	55	60	55	60	70	60	70	80	70	80	90	80	90	105	90	105	120
Screw stroke	注射行程	mm	220			270			315			360			410			470		
Injection capacity max.	最大注射容积	cm ³	432	523	622	641	763	1039	891	1212	1583	1385	1810	2290	2061	2608	3550	2990	4070	5316
Shot weight max. (PS) ^①	最大注射量(PS) ^①	g	397	481	572	590	702	956	820	1115	1456	1274	1665	2107	1896	2399	3266	2751	3744	4891
Screw speed max.	最大螺杆转速	min ⁻¹	280	280	280	270	270	220	220	220	175	160	160	160	145	145	145	125	125	125
L/D ratio (3-zone screw)	长径比(3段式螺杆)	L/D	20			20			20			22			22			22		
Plasticizing rate (3-zone screw) ^②	塑化能力(3段式螺杆) ^②	g/s	41	52	60	50	63	76	51	76	84	55	77	104	70	94	138	81	119	166
L/D ratio (barrier screw)	长径比(屏障螺杆)	L/D	24			24			24			25			25			25		
Plasticizing rate (barrier screw) ^②	塑化能力(屏障螺杆) ^②	g/s	43	49	57	53	61	84	53	84	86	67	94	90	85	114	123	98	145	115
Injection rate max. ^③	最大注射速率 ^③	cm ³ /s	230	278	331	247	294	400	280	381	498	346	452	573	422	534	727	509	693	905
Injection rate @ max. injection pressure	注射速率(最大注射压力时)	cm ³ /s	177	214	254	204	243	331	223	304	397	258	337	426	327	414	563	388	528	690
Injection pressure	注射压力	bar	1768	1462	1228	2013	1692	1243	2125	1561	1195	2012	1541	1217	2045	1616	1249	2138	1571	1203
Injection pressure max.	最大注射压力	bar	2300	1900	1597	2400	2100	1543	2400	1900	1455	2300	1900	1501	2300	1900	1469	2300	1900	1455
Nozzle stroke	喷嘴行程	mm	500			500			600			630			630 (750 ^④)			870		
Nozzle contact force	喷嘴接触力	kN	75			80			80			80			80			80		
Heating wattage (incl. nozzle)	加热功率(包括喷嘴)	kW	15.0	16.0	18.0	18.7	20.2	23.0	20.9	24.5	28.1	30.7	35.7	40.7	35.7	40.7	48.2	42.0	50.2	55.7
Heating zones (incl. nozzle)	加热区(包括喷嘴)		5	5	5	5	5	5	5	5	5	6	6	7	6	7	7	7	7	7
Driver power SHV1 / SHV2 ^⑤	驱动功率 ^⑤	kW	42 / 42			42 / 42			42 / 42			55 - 78 ^⑥ / 55 - 69 ^⑥			69 - 78 ^⑥ / 69			78 - 84 ^⑥ / 78 - 96 ^⑥		
Oil reservoir capacity	油箱容积	l	500			500			500			750			750			1050		
Weight IU	注射单元净重	t	5.2			5.6			6.1			7.9			7.9			13.9		

①Values for polystyrene 聚苯乙烯的值

②Values for HDPE 高密度聚乙烯的值

③Theoretical values 理论值

④SHV1 standard / SHV2 option SHV1 标准 / SHV2 选配

⑤based on clamp - injection unit combination 基于合模和注射组合

All above data only applied to standard machine 所有数据均为机器标准配置参数

Subject to technical alterations 以最新的技术变更数据为准

Clamping Unit 锁模单元			t-win 11000	t-win 13000	t-win 16000	t-win 18000	t-win 21000	t-win 24000
Clamping force	锁模力	kN	11000	13000	16000	18000	21000	24000
Opening force (pressure pad)	开模力(高压缸开模)	kN	760	760	1000	1230	1350	1600
Opening force (moving cylinder)	开模力(移模缸开模)	kN	393	393	476	476	614	614
Opening stroke	开模行程	mm	1800	1800	2350	2550	3000	3000
Mold height min.	最小模厚	mm	600	600	700	800	800	800
Mold height max.	最大模厚	mm	1200	1200	1400	1600	1800	1800
Total daylight max.	最大模板间距	mm	2400	2400	3050	3350	3800	3800
Platen size h x v	模板尺寸(水平x垂直)	mm	1690 x 1670	1850 x 1810	2200 x 1990	2420 x 2170	2540 x 2230	2720 x 2440
Dist. between tie bar h x v	拉杆间距(水平x垂直)	mm	1270 x 1100	1420 x 1170	1570 x 1285	1885 x 1450	1920 x 1480	2020 x 1620
Mold weight max.	最大模具重量	t	17.0	21.0	30.0	45.0	50.0	62.0
Ejector stroke	顶出行程	mm	300	300	300	300	400	500
Ejector force	顶出力	kN	230	230	260	260	385	420
Dry cycle (Euromap 6) · stroke	干周期(Euromap6) · 行程	sec · mm	4.2 · 900	4.6 · 1000	6.0 · 1100	6.6 · 1300	7.2 · 1400	7.6 · 1500
Weight CU	锁模单元净重	t	33.0	38.5	51.4	65.0	77.0	90.0

Injection Unit 注射单元			11600			16600			22000			
Screw diameter	螺杆直径	mm	105	120	135	120	135	150	135	150	160	170
Screw stroke	螺杆行程	mm	540			610			680			
Injection capacity max.	最大注射容积	cm ³	4676	6107	7729	6899	8731	10780	9733	12017	13672	15434
Shot weight max. (PS) ^①	最大注射量(PS) ^①	g	4302	5618	7111	6347	8033	9918	8954	11056	12578	14200
Screw speed max.	最大螺杆转速	min ⁻¹	115	115	115	110	110	110	100	100	100	100
L/D ratio (3-zone screw)	长径比(3段式螺杆)	L/D	22			22			22			
Plasticizing rate (3-zone screw) ^②	塑化能力(3段式螺杆) ^②	g/s	109	153	205	146	196	255	178	232	267	318
L/D ratio (barrier screw)	长径比(屏障螺杆)	L/D	25			25			25			
Plasticizing rate (barrier screw) ^②	塑化能力(屏障螺杆) ^②	g/s	133	186	161	178	239	229	217	280	272	209
Injection rate max. ^③	最大注射速率 ^③	cm ³ /s	762	995	1260	984	1245	1537	1331	1643	1870	2111
Injection rate @ max. injection pressure	注射速率(最大注射压力时)	cm ³ /s	597	780	988	780	988	1219	1031	1272	1448	1634
Injection pressure	注射压力	bar	2153	1648	1302	2137	1689	1368	2070	1677	1474	1305
Injection pressure max.	最大注射压力	bar	2300	1900	1501	2300	1900	1539	2200	1850	1626	1440
Nozzle stroke	喷嘴行程	mm	870 (1050 ^④)			950 (1100 ^④)			950 (1100 ^④)			
Nozzle contact force	喷嘴接触力	kN	80			150			150			
Heating wattage (incl. nozzle)	加热功率(包括喷嘴)	kW	50.2	55.7	64.0	65.9	76.9	86.9	76.9	86.9	92.4	96.9
Heating zones (incl. nozzle)	加热区(包括喷嘴)		7	7	7	7	7	7	7	7	7	7
Driver power SHV1 / SHV2 ^⑤	驱动功率 ^④	kW	95 / 110			84 + 84 / 84 + 84			78 + 78 / 78 + 78			
Oil reservoir capacity	油箱容积	l	1050			1600			1600			
Weight IU	注射单元净重	t	14.4			18.6			19.6			

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③Theoretical values 理论值

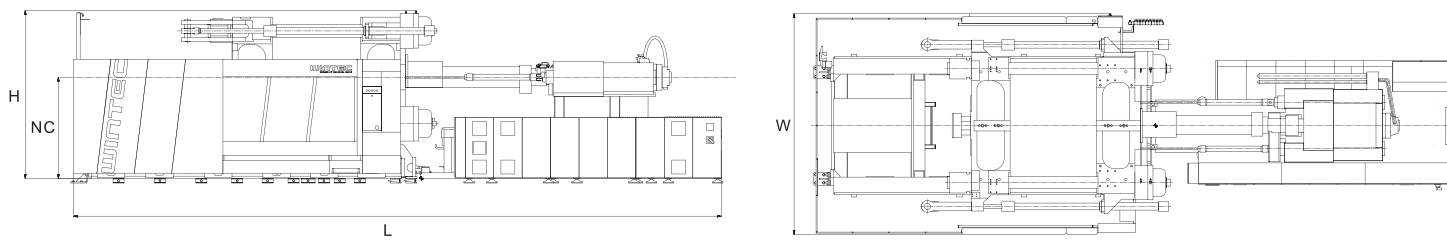
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⑤based on clamp - injection unit combination 基于合模和注射组合

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Injection Unit 注射单元	1000	1500	2400	3500	4900	7800	11600	16600	22000
Screw Diameter 螺杆直径 mm	50 55 60	55 60 70	60 70 80	70 80 90	80 90 105	90 105 120	105 120 135	120 135 150	135 150 160 170
t-win 4500									
t-win 5500									
t-win 6500									
t-win 7500									
t-win 9000									
t-win 11000									
t-win 13000									
t-win 16000									
t-win 18000									
t-win 21000									
t-win 24000									

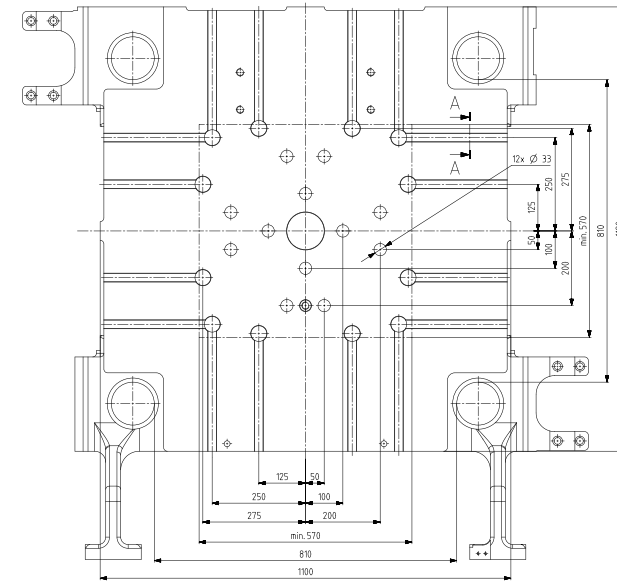


锁模单元 CU	注射单元 IU	长 L mm	宽 W mm	高 H mm	喷嘴中心高度 NC mm
t-win 4500	1000 / 1500 / 2400 3500	6600 7500	2500	2500	1500
t-win 5500	1500 / 2400 3500 / 4900	7000 7900	2500	2500	1500
t-win 6500	1500 / 2400 3500 / 4900 7800	7400 8100 9300	2700	2500	1500
t-win 7500	2400 3500 / 4900 7800	7600 8300 9500	2800	2500	1500
t-win 9000	3500 / 4900 7800 / 11600	8900 10200	3300	2500	1500
t-win 11000	4900 7800 / 11600 16600	9300 10600 12000	3600	2600	1700
t-win 13000	4900 7800 / 11600 16600	9300 10600 12000	3600	2700	1700
t-win 16000	7800 / 11600 16600 / 22000	11700 13200	3800	2900	1800
t-win 18000	7800 / 11600 16600 / 22000	11800 13300	4200	3100	1900
t-win 21000	11600 16600 / 22000	12800 14300	4400	3300	2100
t-win 24000	11600 16600 / 22000	13000 14400	4400	3300	2100

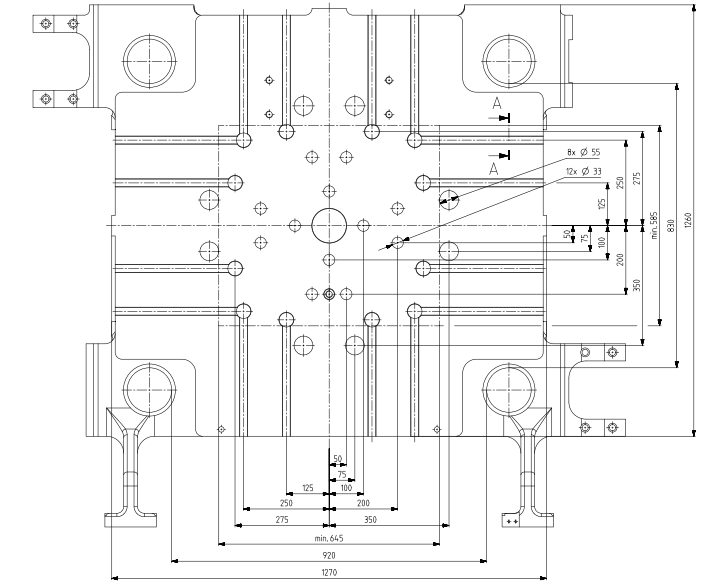
Subject to technical alterations 以最新的技术变更数据为准

Platen Dimensions 模板尺寸

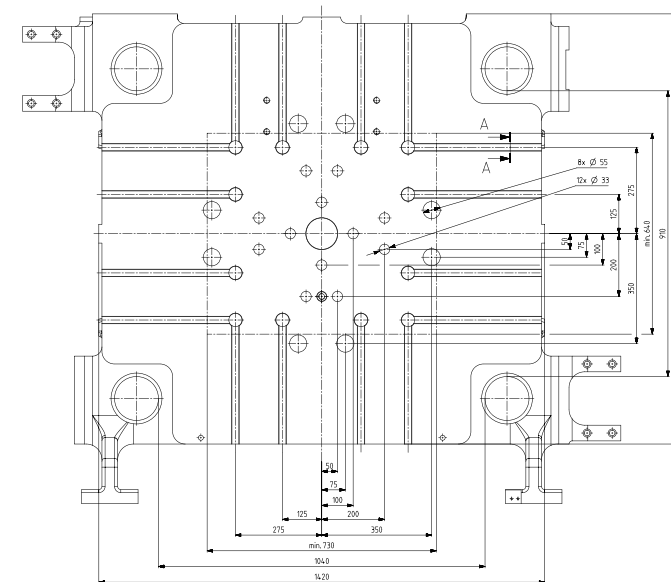
4500 kN



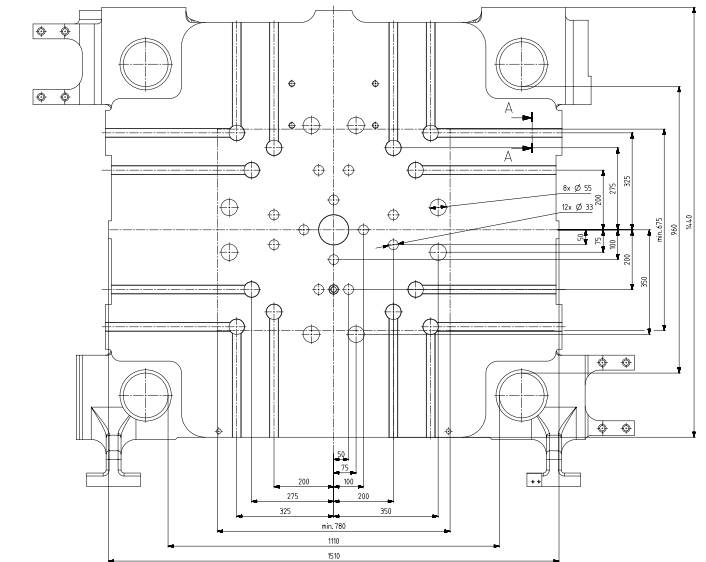
5500 kN



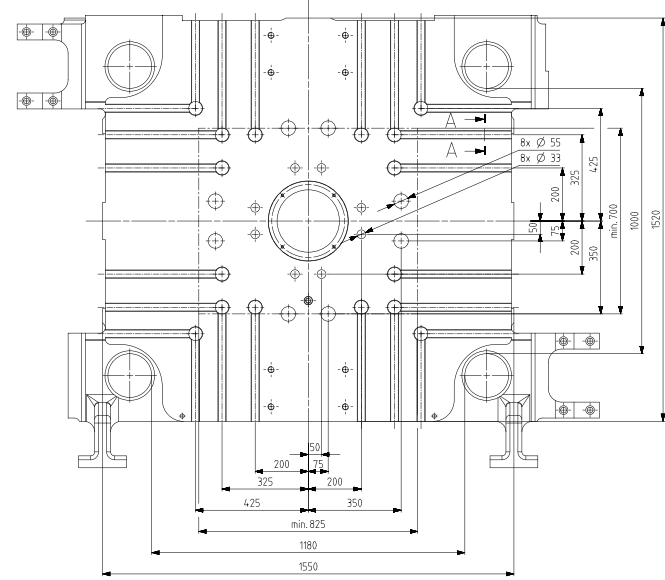
6500 kN



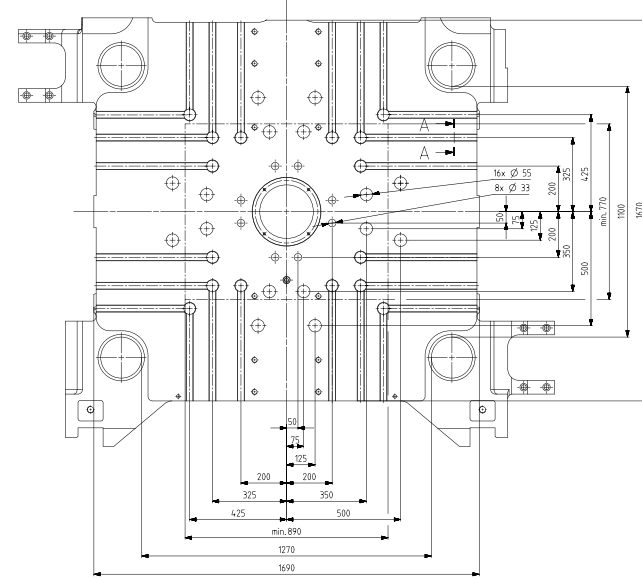
7500 kN



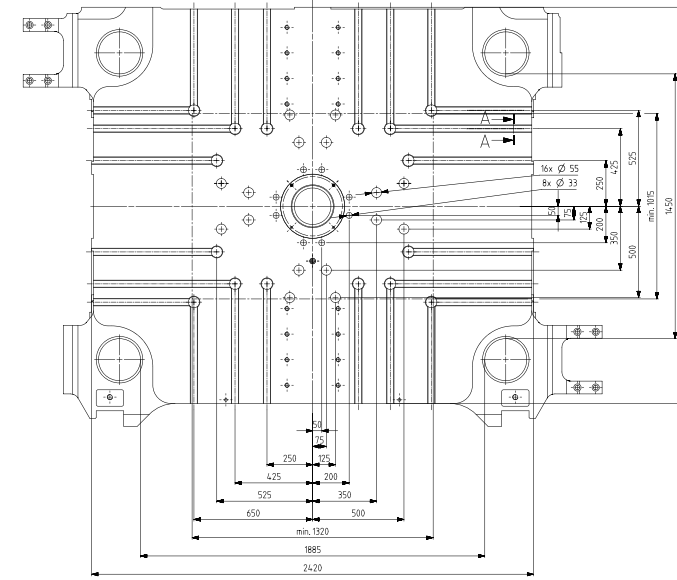
9000 kN



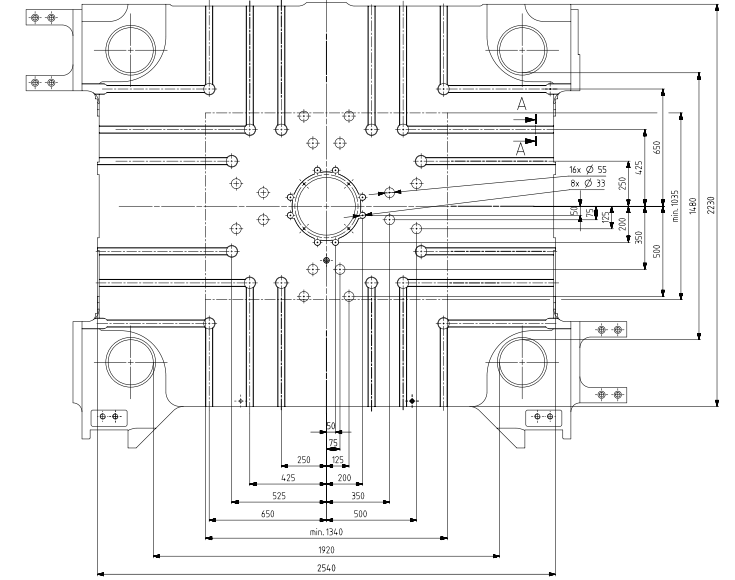
11000kN



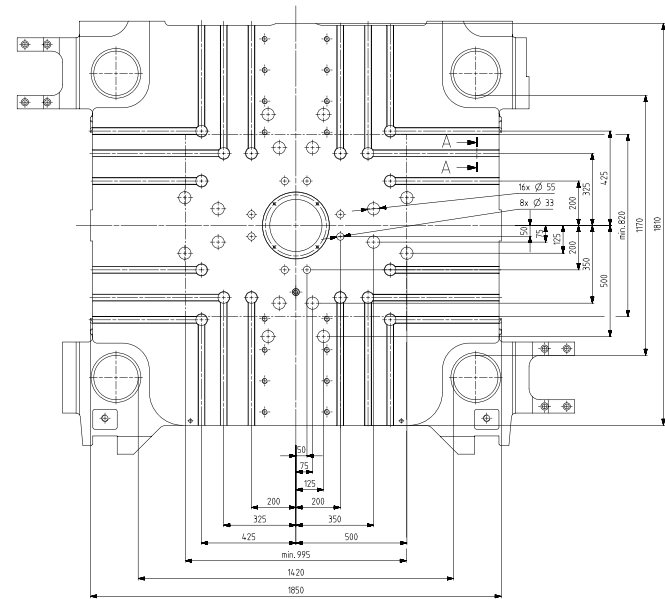
18000 kN



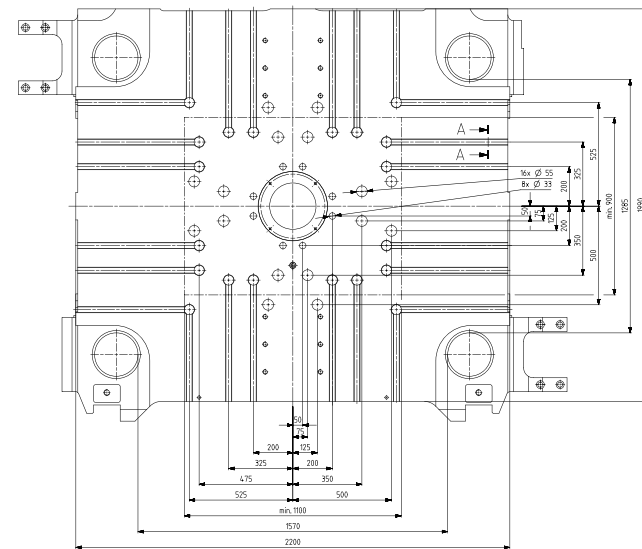
21000 kN



13000 kN



16000 kN



24000 kN

