

Management system as per

ISO 9001: 2015
ISO 14001: 2015



Website



LinkedIn

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WINTEC
MEMBER OF THE ENGEL GROUP

t-win SE

HYDRAULIC TWO PLATEN INJECTION MOLDING MACHINE



Production Locations



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 GROUP

9 PRODUCTION PLANTS

30 SUBSIDIARIES

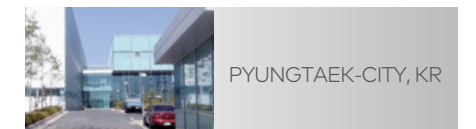
60 REPRESENTATIVES



YORK, US



DIETACH, AT



PYUNGTAEK-CITY, KR



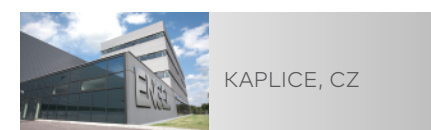
HAGEN, DE



SCHWERTBERG, AT



SHANGHAI, CN



KAPLICE, CZ



ST. VALENTIN, AT



CHANGZHOU, CN



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.

**Jan
2013**

Groundbreaking ceremony for the new WINTeC plant

2013

**Jul
2014**

First machine delivered to Chinese customers

2014

2016

**Jun
2016**

WINTeC rollout to Middle East, Africa and Southeast Asia

2018

**May
2018**

WINTeC rollout to Americas

2020

**Oct
2020**

WINTeC rollout to Europe

2022

**Jun
2022**

Celebration of the 1000th t-win machine delivery

t-win SE

YOUR ADVANTAGES AT A GLANCE

HIGHER PRODUCTIVITY

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.

INCREASED AVAILABILITY

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

HIGHER ENERGY EFFICIENCY

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



SMALLER FOOTPRINT

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

SMARTER CONTROL UNIT

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.

Smart Machine



Intuitive operation & one-touch operation

Future-oriented technologies

Self-explanatory navigation




Assistance systems

Ergonomic panel

Individually, tailored to the operator

1 2 3 4 5 6

Smart Functions

 <p>iQ weight control*</p> <p>Constant filling under changing conditions</p>	 <p>Mold parallelism measurement</p> <p>Mold parallelism measurement and clamping force optimization</p>	 <p>Mold protection*</p> <p>Precision monitoring during the whole injection molding process</p>
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ecograph*

Display of energy consumption for last and current cycle.



ecobalance*

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



Micrograph

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



Autoprotect injection monitoring*

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



Program parameter limits*

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



e-help

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

For more options, please contact regional sales.

*Optional functions

Clamping Unit		t-win SE 6500	t-win SE 10500	t-win SE 14000	t-win SE 18000
Clamping force	kN	6500	10500	14000	18000
Opening force (pressure pad)	kN	370	620	760	1000
Opening force (moving cylinder)	kN	192	284	284	393
Opening stroke	mm	800 - 1350	1000 - 1600	1200 - 1800	1650 - 2350
Mold height min.	mm	400	500	600	700
Mold height max.	mm	950	1100	1200	1400
Total daylight max.	mm	1750	2100	2400	3050
Platen size h x v	mm	1380 x 1320	1630 x 1610	1870 x 1960	2290 x 2130
Dist. between tie bar h x v	mm	1040 x 910	1270 x 1100	1470 x 1360	1680 x 1520
Mold weight max.	kg	9500	13000	21000	30000
Ejector stroke	mm	250	300	300	300
Ejector force	kN	105	230	260	260
Dry cycle (Euromap 6) · stroke	sec · mm	3.7 · 700	4.6 · 850	5.1 · 1000	5.7 · 1150
Weight CU	t	13.7	23.9	38.8	51.7

Injection Unit		2310			3510			5210			8210			11410			16510		
Screw diameter	mm	60	70	80	70	80	90	80	90	105	90	105	120	105	120	135	120	135	150
L / D ratio (3-zone screw)	L/D	20			22			22			22			22			22		
Screw stroke	mm	325			370			450			510			550			630		
Injection capacity max.	cm ³	919	1251	1634	1424	1860	2354	2262	2863	3897	3244	4416	5768	4762	6220	7873	7125	9018	11133
Shot weight max. (PS) [Ⓞ]	g	845	1151	1503	1310	1711	2166	2081	2634	3585	2984	4063	5307	4381	5722	7243	6555	8297	10242
Screw speed max.	min ⁻¹	200			220			175			130			95			90		
Plasticizing rate (3-zone screw) [Ⓞ]	g/s	46.3	68.7	96.5	74.3	101.6	140.0	80.9	111.4	165.9	82.8	123.2	172.8	90.0	126.2	170.4	119.6	161.4	210.8
Injection rate max. [Ⓞ]	cm ³ /s	368	501	654	475	620	785	583	737	1004	655	892	1165	868	1135	1435	1053	1332	1645
Injection rate [Ⓞ]	cm ³ /s	205	278	364	337	441	558	388	491	668	433	589	769	563	735	930	735	930	1148
Injection pressure	bar	2112	1551	1188	2106	1613	1274	1974	1560	1146	2155	1583	1212	2036	1558	1231	1980	1564	1267
Injection pressure max.	bar	2300	1860	1424	2300	1890	1493	2300	1834	1348	2300	1858	1423	2300	1834	1449	2300	1830	1482
Nozzle stroke	mm	600			800			800			800			800			1100		
Nozzle contact force	kN	110			150			150			150			150			150		
Heating wattage (incl. nozzle)	kW	21	24	27	23	26	29	26	29	34	45	51	57	51	57	66	65.9	76.9	86.9
Heating zones (incl. nozzle)		6	6	6	6	6	7	6	7	7	6	6	7	6	7	7	7	7	7
Drive power	kW	53			65			78			110			110			140		
Oil reservoir capacity	l	550			760			760			1100			1100			1600		
Weight IU	t	4.5			5.7			6.2 - 8.2 [Ⓞ]			9.0			10.3			15.6		

[Ⓞ]Values for polystyrene
[Ⓞ]Theoretical values : at min 80% injection pressure
[Ⓞ]At max. injection pressure
[Ⓞ]Based on clamp - injection unit combination
 All above data only applied to standard machine
 Subject to technical alterations

