The tie-bar-less universal injection moulding machines

victory and e-victory





engelglobal.com/tie-bar-less





The first choice for multi-cavity applications.

- Excellent clamping force distribution
- Excellent platen parallelism
- Optimum mould protection



Maximum space in the mould area.

- For large moulds with low clamping force requirement
- Ergonomic access to the mould
- Quick mould change



Efficient servo-hydraulic drives.

Low power loss and minimal cooling water requirement

- Hardly any heat and noise emissions
- Optional parallel movements also possible



Your production employee directly on board.

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- Intuitive operation
- Intelligent assistance systems
- Centralised control of all units





Simple integration of automation.

- Compact automation with low overall height
- Higher productivity thanks to short manipulation times
- Extensive part manipulation can be easily realised





Electric injection unit of the e-victory.

- For technical parts with high precision requirements
- 3 performance levels available
- Precise injection moulding process control





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Hydraulic injection unit of the victory.

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- For the broad field of technical parts
- For maximum injection performance optionally with accu
- Compact design

Available machine sizes in the victory series

Injection uni	70	130	210	320	460	660	860	1060	1560	2460	3660	5160	8160			
Screw diamete mm	15 18 20	22 25 30	25 30 35	30 35 40	35 40 45	40 45 50	45 50 55	50 55 60	55 60 70	60 70 80	70 80 90	80 90 105	90 105 120			
Clamping unit	Clamping force		Drop out chute width													
Ciamping unit		US tons														
victory 30	300	35	400													
victory 40	400	45	400													
victory 50	500	55	400	spex	spex	spex										
victory 60	600	70	450 - 500													
victory 80	800	90	450 - 500		spex	spex	spex									
victory 100	1000	110	500 - 550													
victory 120	1200	130	500 - 550			spex	spex	spex	spex							
victory 140	1400	160	550 - 650													
victory 160	1600	180	550 - 650					spex	spex	spex	spex					
victory 180	1800	200	650 - 750													
victory 200	2000	220	650 - 750													
victory 220	2200	240	650 - 750						spex	spex	spex	spex				
victory 260	2600	290	750 - 850													
victory 300	3000	340	750 - 850								spex	spex	spex			
victory 350	3500	400	850 - 950													
victory 400	4000	450	850 - 950									spex	spex	spex		
victory 450	4500	500	950 - 1100													
victory 500	5000	560	950 - 1100										spex	spex	spex	

victory tech victory spex & victory tech spex

Available machine sizes of the e-victory series

Injection unit				50	165	265	465	765	1065	1565	2440	3440
Screw diameter mm		15 18 20	22 25 30	25 30 35	30 35 40 45	40 45 50 55	45 50 55 60	55 60 70	60 70 80	70 80		
Clamping unit	Clamping force		Drop out chute width									
	kN	US tons										
e-victory 28	280	30	400									
e-victory 40	400	45	400									
e-victory 50	500	55	400									
e-victory 60	600	70	450 - 500									
e-victory 80	800	90	450 - 500									
e-victory 100	1000	110	500 - 550									
e-victory 120	1200	130	500 - 550									
e-victory 140	1400	160	550 - 650									
e-victory 160	1600	180	550 - 650									
e-victory 180	1800	200	650 - 750									
e-victory 200	2000	220	650 - 750									
e-victory 220	2200	240	650 - 750									
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e-victory 400	4000	450	850 - 950									
e-victory 450	4500	500	950 - 1100									
e-victory 500	5000	560	950 - 1100									

The tie-bar-less clamping unit Ideal conditions for frequent mould changes.

The tie-bar-less injection moulding machines offer the best conditions for quick and easy mould changes. Thanks to the free access to the mould area, there is space for large moulds or bulky core pulls in particular. The generously dimensioned mould mounting platens can be used to their limits, and often beyond. Barrier-free access ensures pleasant working conditions and a clear view from every angle. This also creates ideal conditions for automation: Faster parts removal and smaller system footprints, even with low hall heights. Pulling tie-bars and time-consuming assembly work when changing moulds are a thing of the past.





Prepared for almost any application

Areas of application

The tie-bar-less victory and e-victory have particular advantages in multi-cavity applications and in multi-colour injection moulding. As there are no tie-bars limiting the space, there is no need to switch to machines with greater clamping force.



Automation

ENGEL provides you with complete production cells in all degrees of complexity from a single source. You benefit from a complete solution with perfectly harmonised components and save time and money.





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