

It.	Mat.No.	Pce	Ci Description
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1	003527350	1	ENGEL INJECTION MOULDING MACHINE duo 11050/1000 WP US Engel North America Molding Machine Package: - Nozzle body with interchangeable tip, 3/4" radius and 1/4" orifice. Nozzle body-to-tip thread is 7/8"-14UNF-2B. Barrelhead-to-nozzle body thread is 1 3/4"-8UN-2A. - Mechanical safety device for closing - Standard electrical interface is 460V/3P/60hZ incoming voltage and 460V barrel heat with 120V nozzle heat (see section "Electric:" for option other than standard.)
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- Electrical equipment for USA
- ANSI B151.1 compliant
- Solid purge guard cover
- SPI mold and ejector pattern
- ERC robot interface
- Closed loop feedthroat cooling control
- Ejector plate (if included) holes are counter bored through holes for ¾" screws.
- Tool kit containing allen and open end wrenches

050000000 Injection unit:
 Short design with 2 hydraulic-cylinders for injection, direct drive of screw
 Specific injection pressure switchover
 Barrel removal to the top
 Ceramic heaterbands
 regulated traverse cooling

050500000 Melt barrel and screw, diameter 120 mm
 Barrel in bi-metallic-execution M3, higher abrasion- and corrosion resistant, working range up to 350 degrees C

2 050505355 1 barrel L/D 24 - 120 mm

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			incl. 1 additional barrel heating
3	050513701	1	Barrier-screw S13 with B-mixing head L/D 24 - diameter 120 mm incl. check valve R9
4	050543540	1	pneumatic shut off nozzle (needle execution) in special execution (radius, orifice or barrel head thread) incl. control cylinder, adapter, heaterband, thermocouple, software and electronic (required air press 6 - 10 bar)
5	059045150	1	injection unit swivelling
6	059046705	1	speed controlled electrical screw drive for increased screw speed nominal motor value 109 kW torque 8700 Nm 60 % by working of operating time from cycle
7	059046800	1	additional price for electrical screw drive in US-execution
	100000000		Clamp unit: Fully hydromech. clamp unit in 2-platen exec.

4 short stroke pressure pads on nozzle side
 4 adjustment nuts on ejector side
 2 fast movement cylinders placed diag.
 Platen stroke dependent on mold height.
 Moveable platen guided on base.
 Clamp force: 9000 kN (1000 US Tons)
 Technical data and standard equipment
 according to data sheet

8 100043020	1	corepull single on movable platen (acc. Euromap 13 - incl. Amphenol adapters)
9 100043025	1	corepull additional on movable platen
10 100043030	1	corepull single on fixed platen (acc. Euromap 13 - incl. Amphenol adapters)
11 100043046	1	pressure release for all corepulls on movable platen
12 100043047	1	pressure release for all corepulls on fixed platen
13 100043082	1	enlarged mold height 200 mm variety "A" according to technical sales manual (min. mold height remains std., max. mold height increases, platen stroke increases, max. daylight increases, clamp unit will be longer)
14 109990009	1	Drop out in base frame (operator side opening, non-operator side opening and clamp end opening) h= 700mm (27.56")
150000000		Hydraulic: electrically adjustable variable displacement pump with pressure and volume regulation Closing movement with position controlled proportional valve injection with servo valve for injection speed and holding pressure parallel movement for ejector, corepull, injection unit forward during opening, closing
15 150043160	1	external oil filter station 3-R BU-100
200000000		Electric: integrated control cabinet

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Connection for heating and power not separated

16 200002970	1	fault indicator acoustic combined with lamp
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- 17 200003150 1 interface for conveyor belt execution with switchable socket
- 18 200070109 1 SPI Safety Key Switch (US-version)
Core and Ejector Motion/No Motion Keyswitch.
With the key in "Motion" position, Ejector Forward, Core Retract and Clamp Open motion are allowed with operator safety gate open.
For machines with a 47" (1200mm) or greater dimension between the tiebars in either the horizontal or vertical direction, Clamp open motion IS NOT ALLOWED with the operator safety gate open!
Note: with key in "Motion" position, the following functions are dis-allowed:
Shake-core-as-ejector, Ejector-as-core, Freely Programmable Cycle Sequence, Rotary Table Motion, Airblow with Gate Open
- 19 209990009 1 120 vac outlet "Hot" during screw turn with signal, located near hopper
- 20 209990019 1 120 vac dry contact for color feeder - mounted non-op side injection casting
- 250000000 Control:
- 21 250000155 1 CC200 A02 control package including:
- "Windows" style display with 15" TFT-color Touch Screen
- Data storage via USB interface
- Ethernet network interface
- Freely programmable cycle sequence supported by graphical symbols
- Screen pages configurable
- e-help
- Notepad
- Micrograph
- Microplast
- PD-log
Screen text
english: EN
- 22 250002150 1 "Autoprotect"-precision mold protection alternatively speed or pressure monitored incl. pressure sensor

23	250003870	2	interface for potential free contacts (terminal strip) - freely programable (4x digital output, 4x digital input)
24	250004070	1	program energysaving by switching off the motor during post pressure and cooling time
25	250011400	1	program "virt mould" for viewing and revising of parameter settings and for process optimization on PC incl. simulation
26	259990009	1	Part drop confirmation -Engel to provide software

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-Customer to provide electric device and hardware

	300000000		General: Machine without oil filling Painting ENGEL green and black grey (RAL 7021) (Attention: new coloring) Machine description english Manual, 2 copies
27	300043031	1	Solenoid operated pneumatic valve 5/2-ways, R1/4" ports, mounted on stationary platen. For airblow only.
28	300043032	4	Solenoid operated pneumatic valve 5/2-ways, R1/4" ports, mounted on moving platen. For airblow only.
29	300043045	1	machine support pads
30	390007100	1	pneumatic shut off nozzle control 1-fold mounted on top of fixed platen - non op side
31	399990009	1	Run 1/2" air hard piping from rear of machine to operator side, front of injection unit. At termination of pipe, at front of injection unit provide (3) air fittings. They will only use 1 connection at a time for various auxiliary devices.