

It.	Mat.No.	Pce	Ci Description
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|---|-----------|---|---|
| 1 | 003497150 | 1 | ENGEL INJECTION MOULDING MACHINE
duo 7050/900 US |
| 2 | 010500800 | 1 | <p>Engel North America molding machine package:</p> <ul style="list-style-type: none"> - Nozzle body with interchangeable tip, 3/4" radius and 1/4" orifice. Nozzlebody-to-tip thread is 7/8"-14UNF-2B. Barrelhead-to-nozzle body thread 1 3/4"-8UN-2A - Mechanical safety device for closing - 480V/3P/60cy incoming voltage and 480V barrel heat with 120V nozzle heat - Electrical equipment for USA and Canada - ANSI B151.1 compliant - electric cabinet execution according UL 508 A - Solid purge guard cover, with PC-window - SPI mold mounting and ejector pattern - Hydraulic ejector (platen ejector as option from 2200 US to), ejector holes are counter bored through holes for 3/4" screws. - Emergency stop function bE10, not to open safety gate behind moving plate (bE10) - 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 For processing of thermoplastics regulated traverse cooling 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
3 050505355	1	barrel L/D 25 - 120 mm incl. 1 additional barrel heating
4 050513701	1	Barrier-screw S13 with B-mixing head L/D 25 - diameter 120 mm incl. check valve R9b
5 050541400	1	add. price for corrosion resistant barrelhead

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6	050543549	1		Pneumatic shut off nozzle Nozzle tip thread 7/8"-14 UNF Nozzle radius 3/4" Nozzle orifice 1/4" OPT125222
7	059045300	1		insulating pads for heaterbands
8	059045900	1		Hopper support, moveable (hopper not included in shipment)
9	059046100	1		magnetic grid
10	059046600	1		speed controlled electrical screw drive nominal motor value 107 kW torque 8000 Nm 60 % by working of operating time from cycle Hint: for FI fused voltage network the main supply situation has to be discussed with the customer.
11	059046800	1		additional price for electrical screw drive in US-execution
12	059070159	1		Maintainance and service platform moving ladder and platform on injection unit for access

to hopper or feeding unit
OPT138145

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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.
Hydraulic platen ejector,
Platen stroke dependent on mold height.
Moveable platen guided on base.
Clamp force: 8000 kN (900 US Tons)
Technical data and standard equipment
according to data sheet

13 100043020

1 corepull single on movable platen
(Euromap 13 / AN-147)

14 100043025

1 corepull additional on movable platen

15 100043030

1 corepull single on fixed platen
(Euromap 13 / AN-147)

16 100043046

1 pressure release for all corepulls on movable
platen

17 100043047

1 pressure release for all corepulls on fixed
platen

18 100043081

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)

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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

19 150043050

1 N-execution

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20 150043160

1 external oil filter station 3-R BU-100

21 150070400

1 ecodrive - innovative speed controlled drive
concept with servodrive and operating point

optimization (for best overall efficiency through servodrive speed control adjustment and pivoting angle of variable pump).

Program ecograph is necessary in addition (according price list).

200000000	Electric: integrated control cabinet Connection for heating and power not separated
22 200003150	1 interface for conveyor belt execution with switchable socket
23 200003300	1 adapter corepull limit switch Euromap 13 - Amphenol
24 209990009	1 120 vac outlet "Hot" during screw turn with signal located near hopper 120 vac dry contact for color feeder located non-op side injection casting OPT125223
250000000	Control:
25 250000155	1 CC200 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 - Alarm Messaging via Email - weekly timer - Micrograph - Microplast - PD-log Screen text english: EN spanish: ES
26 250001800	1 ecograph for energy analysis of IMM
27 250003165	1 Interface for integrated ENGEL robot incl. 1 triggered receptacle for conveyor belt, 3 Phases, 15 AMP
28 250003870	1 interface for potential free contacts (terminal strip) - freely programable (4x digital output, 4x digital input)
29 250004010	1 program optimum motor capacity control during feeding

30 250011400 1 program "virt mould" for viewing and revising
of parameter settings and for process opti-
mization on PC incl. simulation

3000000000 General:
Machine without oil filling
(Start-up with zinc containing oil)
Machine description english
Manual, 2 copies

32 300043027 1 Pneumatic air supply maintenance unit

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(Filter/Regulator)

33 300043031 4 Solenoid operated pneumatic valve 5/2-ways, R1/4"
ports, mounted on stationary platen. For airblow
only.

34 300043032 4 Solenoid operated pneumatic valve 5/2-ways, R1/4"
ports, mounted on moving platen. For airblow
only.

35 300043047 1 machine support pads

36 300065490 1 Painting Standard

37 300080000 1 If the machine will be delivered with robot, it
will not be installed onto the machine for
pre-acceptance at ENGEL Austria

40 300098130 1 machine fitted with removal device
type viper 40

Placing of the parts on machine rear side. The
device is mounted on the fixed platen with
support
(see separate order confirmation)

38 390007300 1 pneumatic shut off nozzle control 4-fold

39 400012979 1 Interface for magnetic quick mold mounting system
Euromap 70.0
OPT130149