

Pos.	Art.No.	Qty.	Description	Price USD
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We are pleased to offer the following quotation.

01	d003497150		<b>ENGEL INJECTION MOULDING MACHINE duo 7050/900 US</b>	
02	d010500800		<p>Engel North America molding machine package:</p> <ul style="list-style-type: none"> <li>- 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</li> <li>- Mechanical safety device for closing</li> <li>- 480V/3P/60cy incoming voltage and 480V barrel heat with 120V nozzle heat</li> <li>- Electrical equipment for USA and Canada</li> <li>- ANSI B151.1 compliant</li> <li>- electric cabinet execution according UL 508 A</li> <li>- Solid purge guard cover, with PC-window</li> <li>- SPI mold mounting and ejector pattern</li> <li>- Hydraulic ejector (platen ejector as option from 2200 US to), ejector holes are counter bored through holes for 3/4" screws.</li> <li>- Emergency stop function bE10, not to open safety gate behind moving plate (bE10)</li> <li>- Tool kit containing allen and open end wrenches</li> </ul>	

**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

Pos.	Art.No.	Qty.	Description	Price USD
			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	
03	d050505355		barrel L/D 25 - 120 mm incl. 1 additional barrel heating	
04	d050513701		Barrier-screw S13 with B-mixing head L/D 25 - diameter 120 mm incl. check valve R9b	
05	d050541400		add. price for corrosion resistant barrelhead	
06	d050543549		Pneumatic shut off nozzle Nozzle tip thread 7/8"-14 UNF Nozzle radius 3/4" Nozzle orifice 1/4" OPT125222	
07	d059045300		insulating pads for heaterbands	
08	d059045900		Hopper support, moveable (hopper not included in shipment)	
09	d059046100		magnetic grid	
10	d059046600		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	d059046800		additional price for electrical screw drive in US-execution	
12	d059070159		Maintainance and service platform	

Pos.	Art.No.	Qty.	Description	Price USD
			<p>moving ladder and platform on injection unit for access to hopper or feeding unit OPT138145</p> <p><b>Clamp unit:</b> 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</p>	
13	d100043020		<p>corepull single on movable platen <b>(Euromap 13 / AN-147)</b></p>	
14	d100043025		<p>corepull additional on movable platen</p>	
15	d100043030		<p>corepull single on fixed platen <b>(Euromap 13 / AN-147)</b></p>	
16	d100043046		<p>pressure release for all corepulls on movable platen</p>	
17	d100043047		<p>pressure release for all corepulls on fixed platen</p>	
18	d100043081		<p>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)</p> <p><b>Hydraulic:</b> electrically adjustable variable displacement pump with pressure and volume regulation Closing movement with position controlled proportional valve</p>	

Pos.	Art.No.	Qty.	Description	Price USD
			injection with servo valve for injection speed and holding pressure parallel movement for ejector, corepull, injection unit forward during opening, closing	
19	d150043050		N-execution	
20	d150043160		external oil filter station 3-R BU-100	
21	d150070400		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).  <b>Electric:</b> integrated control cabinet Connection for heating and power not separated	
22	d200003150		interface for conveyor belt execution with switchable socket	
23	d200003300		adapter corepull limit switch Euromap 13 - Amphenol	
24	d209990009		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  <b>Control:</b>	
25	d250000155		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	

Pos.	Art.No.	Qty.	Description	Price USD
			<ul style="list-style-type: none"> <li>by graphical symbols</li> <li>- Screen pages configurable</li> <li>- e-help</li> <li>- Notepad</li> <li>- Alarm Messaging via Email</li> <li>- weekly timer</li> <li>- Micrograph</li> <li>- Microplast</li> <li>- PD-log</li> </ul> Screen text english: EN spanish: ES	
26	d250001800		ecograph for energy analysis of IMM	
27	d250003165		Interface for integrated ENGEL robot incl. 1 triggered receptacle for conveyor belt, 3 Phases, 15 AMP	
28	d250003870		interface for potential free contacts (terminal strip) - freely programable (4x digital output, 4x digital input)	
29	d250004010		program optimum motor capacity control during feeding	
30	d250011400		program "virt mould" for viewing and revising of parameter settings and for process opti- mization on PC incl. simulation	
31	d270004230		ServiceBox for e-service.24 Allows Remote Service for up to 20 machines	
			<b>General:</b> Machine without oil filling (Start-up with zinc containing oil) Machine description english Manual, 2 copies	
32	d300043027		Pneumatic air supply maintenance unit (Filter/Regulator)	

Pos.	Art.No.	Qty.	Description	Price USD
33	d300043031	4	Solenoid operated pneumatic valve 5/2-ways, R1/4" ports, mounted on stationary platen. For airblow only. (1.000,-)	
34	d300043032	4	Solenoid operated pneumatic valve 5/2-ways, R1/4" ports, mounted on moving platen. For airblow only. (1.000,-)	
35	d300043047		machine support pads	
36	d300065490		Painting Standard	
37	d300080000		If the machine will be delivered with robot, it will not be installed onto the machine for pre-acceptance at ENGEL Austria	
38	d390007300		pneumatic shut off nozzle control 4-fold	
39	d400012979		Interface for magnetic quick mold mounting system Euomap 70.0 OPT130149	

1 Misc. Item - SOFTWARE UPGRADE -RETROFIT  
INCREASE CLAMP FORCE TO 1000 US TONS

Release Qty	Request Date	Promise Date	Comment
1	12/14/2015	12/14/2015	