

QUOTATION (09)

Your Reference
of

Our Reference

KC/bs

Pos.	Art.No.	Qty.	Description	Price USD
------	---------	------	-------------	--------------

01	X003468000		ENGEL INJECTION MOULDING MACHINE duo 5550/550 pico US 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 Melt barrel and screw, diameter 90 mm Barrel in bi-metallic-execution M3, higher abrasion- and corrosion resistant, working range up to 350 degrees C	
02	X050505330		barrel L/D 24 - 90 mm incl. 1 additional barrel heating	
03	X050513661		Barrier-screw S13 with B-mixing head L/D 24 - diameter 90 mm incl. check valve R9	
04	X050543540		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)	

QUOTATION
Page 2

Pos.	Art.No.	Qty.	Description	Price USD
05	X059041900		speed controlled electrical screw drive nominal motor value 75 kW torque 5700 Nm 60 % by working of operating time from cycle	
06	X059041960		additional price for electrical screw drive in US-execution Clamp unit: Platen stroke dependent on mold height. Moveable platen guided on base. Clamp force: 5000 kN (550 US Tons) Technical data and standard equipment according to data sheet	
07	X100043020		corepull single on movable platen (acc. Euromap 13 - incl. Amphenol adapters)	
08	X100043030		corepull single on fixed platen (acc. Euromap 13 - incl. Amphenol adapters)	
09	X100043046		pressure release for all corepulls on movable platen	
10	X100043047		pressure release for all corepulls on fixed platen	
11	X109990009		I beam spacer between frame extension and leveling pads to allow for for a total drop area of 24". Includes injection unit spacer. Hydraulic: electrically adjustable variable displacement pump with pressure and volume regulation Closing movement with position controlled proportional valve parallel movement for ejector, corepull, injection unit forward during opening, closing	

QUOTATION
Page 3

Pos.	Art.No.	Qty.	Description	Price USD
12	X150043150		external oil filter station 3-R BU-50 Electric: integrated control cabinet Connection for heating and power not separated 3x460V, 60 Hz	
13	X200002970		fault indicator acoustic combined with lamp	
14	X200003150		interface for conveyor belt execution with switchable socket	
15	X200070100		SPI Safety Key Switch (US-version) Core and Ejector Motion/No Motion Keyswitch with operator safety gate open. With key in "motion" position , Ejector Forward and Core Retract are allowed when the appropriate switch in continuously actuated. Clamp open (only for machines with a dimension between tiebars smaller than 1200 mm in either the horizontal or vertical direction) with operator safety gate open is allowed when the switch isn't actuated. Air blow with gate open is only allowed after submission of disclaimer of liability. Note for control CC100: with the key in "Motion" position, the following functions are dis-allowed: Shake-core-as-ejector and Ejector-as-core	
16	X209990009		120 vac outlet "Hot" during screw turn with signal, located near hopper (ref s/n 47834)	
17	X209990019		120 vac dry contact for color feeder - mounted non-op side injection casting (ref s/n 47834)	

Control:

QUOTATION (09)
Page 4

Pos.	Art.No.	Qty.	Description	Price USD
18	X250000155		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	
19	X250002150		"Autoprotect"-precision mold protection alternatively speed or pressure monitored incl. pressure sensor	
20	X250003825		interface for robot/automation without supply socket (Euromap 67 / AN-146)	
21	X250003870	2	interface for potential free contacts (terminal strip) - freely programable (4x digital output, 4x digital input) (1.630,-)	
22	X250004070		program energysaving by switching off the motor during post pressure and cooling time	
23	X250011400		program "virt mould" for viewing and revising of parameter settings and for process opti- mization on PC incl. simulation	
24	X259990009		Part drop confirmation -Engel to provide software -Customer to provide electric device and hardware (ref s/n 47834)	

General:

QUOTATION (09)
Page 5

Pos.	Art.No.	Qty.	Description	Price USD
------	---------	------	-------------	--------------

			Machine without oil filling Painting ENGEL green and black grey (RAL 7021) (Attention: new coloring) Machine description english Manual, 2 copies	
25	X300043031	4	Solenoid operated pneumatic valve 5/2-ways, R1/4" ports, mounted on stationary platen. For airblow only. (980,-)	
26	X300043032	4	Solenoid operated pneumatic valve 5/2-ways, R1/4" ports, mounted on moving platen. For airblow only. (980,-)	
27	X300043046		machine support pads	
28	X390007100		pneumatic shut off nozzle control 1-fold mounted on top of fixed platen - non op side	
29	X399990009		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.	

Gross price

- special discount

Net price

+ transport costs
(rigging not included)

- Discount off freight

+ starting up-costs