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1 003468000	1 ENGEL INJECTION MOULDING MACHINE duo 5550/550 pico US
2 010500309	1 Engel North America molding machine package: - Mechanical safety device for closing - 460V/3P/60cy incoming voltage and 460V barrel heat with 120V nozzle heat - Electrical equipment for USA and Canada - ANSI B151.1 compliant - 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 OPT125227
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 90 mm Barrel in bi-metallic-execution M3, higher abrasion- and corrosion resistant, working range up to 350 degrees C
3 050505330	1 barrel L/D 24 - 90 mm incl. 1 additional barrel heating
4 050513661	1 Barrier-screw S13 with B-mixing head L/D 24 - diameter 90 mm incl. check valve R9
5 050543549	1 Pneumatic shut off nozzle Nozzle tip thread 7/8"-14 UNF Nozzle radius 3/4" Nozzle orifice 1/4" OPT125222
6 059041900	1 speed controlled electrical screw drive

		nominal motor value 75 kW torque 5700 Nm 60 % by working of operating time from cycle
7 059041960	1	additional price for electrical screw drive in US-execution
1000000000		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
8 100043020	1	corepull single on movable platen (Euromap 13 / AN-147)
9 100043030	1	corepull single on fixed platen (Euromap 13 / AN-147)
10 100043046	1	pressure release for all corepulls on movable platen
11 100043047	1	pressure release for all corepulls on fixed platen
12 109990009	1	Extension of machine base 200mm (7,87") Calmp unit base and injection unit spacer OPT110303
1500000000		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
13 150043150	1	external oil filter station 3-R BU-50
2000000000		Electric: integrated control cabinet Connection for heating and power not separated 3x460V, 60 Hz
14 200002970	1	fault indicator acoustic combined with lamp
15 200003150	1	interface for conveyor belt execution with switchable socket
16 200003300	1	adapter corepull limit switch Euromap 13 - Amphenol
17 200070100	1	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
18 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:
19 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 - Alarm Messaging via Email - Micrograph - Microplast - PD-log Screen text english: EN german: DE
20 250002150	1 "Autoprotect"-precision mold protection alternatively speed or pressure monitored incl. pressure sensor
21 250003825	1 interface for robot/automation without supply socket (Euromap 67 / AN-146)
22 250003870	2 interface for potential free contacts (terminal strip) - freely programable (4x digital output, 4x digital input)
23 250004070	1 program energysaving by switching off the motor during post pressure and cooling time
24 250011400	1 program "virt mould" for viewing and revising of parameter settings and for process optimization on PC incl. simulation
25 259990009	1 Part drop confirmation Engel to provide software Customer to provide electric device and hardware OPT125224
300000000	General: Machine without oil filling Painting ENGEL green and black grey (RAL 7021) (Attention: new coloring) Machine description english Manual, 2 copies
26 300043031	4 Solenoid operated pneumatic valve 5/2-ways, R1/4" ports, mounted on stationary platen. For airblow only.
27 300043032	4 Solenoid operated pneumatic valve 5/2-ways, R1/4" ports, mounted on moving platen. For airblow only.
28 300043046	1 machine support pads
29 390007100	1 pneumatic shut off nozzle control 1-fold mounted on top of fixed platen - non op side
30 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

Classification:

Clamp type	DU01.4_500:450-500(-550US)0515
Clamp force (metr.od.US-ton)	500 t
Clamp force (KN)	5.000,0
IMM model series	duo: Large Machines
IMM model series(configured)	duo pico
Platen size code	: Std platen size TG,DU0,EM-T
Control unit type	CC200: (A02+A03)
Used w inj.unit 1	H: Inj unit Std horizontal 5550
Main injection unit(s)	No injection unit
unit type	TW02.1_5550
Used w injection unit	No value
Spritzeinheit 2	
Spritzeinheit 3(3F-Ausführung)	No value
Injection unit 4(4C-unit)	No value
***** Information *****	Power data for heating plc.
***** Information *****	Plasticizing unit 1
Noz1: Heat.capacity (kW)	HZ1-1X0250 W 120V
Noz1: Heat.capacity (kW)	HZ2-1X1000 W 120V
Barrel1: Heat.capacity (kW)	HZ01-04X2750 W 460V
Barrel1: Heat.capacity (kW)	HZ02-04X2750 W 460V
Barrel1: Heat.capacity (kW)	HZ03-04X2750 W 460V
Barrel1: Heat.capacity (kW)	HZ04-04X2750 W 460V
Barrel1: Heat.capacity (kW)	HZ05-04X2750 W 460V
Barrel1: Heat.capacity (kW)	HZ06-04X2750 W 460V
***** Information *****	Plasticizing unit 2
*** Pla.cyl.3+4 ***	Plasticizing unit 3
Remark: Heating (free entry)	no value
***** Information *****	Power data for drive units
Number of Pump motor assy	1 Pump-mtr assy
Motor power (kW)	90,00
Motor size HP: UL	120,00
Pump type hydraulic	DR Rexroth
Remark: Maindrive (fee entry)	no value
Power elec.screwdrive motor	75,00 kW
Remark: Servodrive (fee entry)	no value
Additional equipment (free ent	no value
***** Information *****	Power data electrics
Incoming power machine	3X480V+PE/60HZ (STD NA)
UL: Incoming power UL-machine	480Y/277V, 3 phase
Control voltage (V)	115V AC/24V DC
Current (A)	360,000
Current motor (A)	158,000
UL: max heating Current (A)	12,0 A
Short circuit current (A)	5.000 A
Nominal capacity (KW)	240,00 kW
UL: max. heating capacity (KW)	2,75 kW

***** Information *****	Power data general
Oil Capacity (main-tank) (l)	1.000,0 l
Machine weight (kg)	24 kg
Clamping unit weight (split)	14.000 kg
Injection unit weight (split)	10.000 kg
***** Information *****	Additional order information
Base version	2.10.00C
Screen languages (TES)	English
Screen languages (TES)	German
Boot Language ("TES")	English
Control Typ	Sonder CC200-A02
Reference product available?	No
Valid for Softw. Config.	Yes
***** Information *****	Information for Options
BW product segment	DUO
BW product segment detail	DEFAULT GROUP 2