Arburg Allrounder 630A 2500 – 800/400 L2 Clamp Design Plastics Injection Moulding Machine (2021)
Included in lot 29831-2
www.AllSurplus.com/asset/2/29831

Details taken from Arburg Original Order Confirmation
Items such as delivery, commissioning, training, remote service, remote monitoring, production & set up assistance that are not capable of being sold or transferred have been excluded.

This information is provided from the original Arbury order confirmation. Liquidity Services does not have the technical expertise to inspect the equipment itself and guarantee that the equipment is exactly as described in Arburg's original order confirmation. Prospective buyers are reminded that they should inspect the equipment and satisfy themselves as to the presence of the items listed and their condition before submitting offers or bids.

Machine number 258647
1 ARBURG injection molding machine
Model: Allrounder 630 A 2500 - 800 / 400 L2 Clamp design
Clamping force 2,500 kN

with the following equipment:

Item 2 900/00
1 Version 630 A 2500 - 800 / 400 L2 Clamp Design

Item 3 135/50
1 Basic equipment for multi-component machines consisting of:
- Technology level for multi-component processing
- Equipment package for extended travel movement
- Hydraulic core pull control for simultaneous controlled movements, optionally expandable to rotation control
- Tool-specific cooling circuits, manually adjustable connection DN 13 (4 free connections, ie., 2 connections per tool clamping plate)
- Machine-specific cooling circuits, programmable controlled

Item 4 690/90
1 Without preservation

Item 5 132/24
1 Small accumulator hydraulics with 11 kW motor and
20 cc pump

Item 6 142/01
Performance variant 2
Designed for high-speed applications and demanding processes
- Shorter dry cycle times and higher injection speeds
- Controlled clamping in multiple stages
- Functional extensions such as injection compression molding and venting are optionally available
- Simultaneous movements of secondary axes via small accumulator hydraulics

Item 7 356/15
1 clamping plate set with central injection position and centering diameter 160 mm

Item 8 901/00
1 for 35 6/15:
Vertical groove in the fixed mold plate for mold centering
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Centering groove 20 P9, 12 mm deep
Y: +140 mm to >: +350 mm
Y: -140 mm to >: -350 mm

Item 9 605/01
1 aXw Control ScrewPilot
Precise dynamic control of the injection process depending on the screw position and active braking. For a uniform flow front, fluctuations during injection are compensated directly in the process phase.
~> Stable injection process
--> Injection parameters remain unchanged
--> Switching to holding pressure at the same fill level
--> Reproducible mold filling

Item 10 060/45
1 45 mm plasticizing cylinder assembly (without nozzle) in a highly wear-resistant design with a sintered metal-tipped non-return valve, i.e., highly wear- and corrosion-resistant for processing thermoplastics with highly abrasive or corrosive components and for high-temperature materials

Item 11 061/02
1 CrN coating (screw and non-return valve)

Item 12 061/12
1 Reinforced screw coupling with multi-tooth geometry for high continuous metering torques; Compatible with plasticizing cylinder modules with multi-tooth screw drive.

Item 13 220/45
1 Open nozzle 45 mm with internal thread for screw-in nozzle tips, low-wear, without heating band.

Internal thread up to injection unit 290: M 24 x 1.5
Internal thread from injection unit 400: M 36 x 2

Item 14 300/50
1 Nozzle tip with external thread for open nozzle, extended by 50 mm

Item 15 320/00
1 Heating band for open nozzle

Item 16 325/01
1 Extended nozzle tip heater band, connection via additional heating control circuit (Additional heating control circuit for heater band VE 468/01 required)
Nozzle heater band dimensions: Outer diameter = 45 mm,
Height (electrical connection and clamping bracket) = 65 mm,
Length = 23 mm

Item 17 414/25
1 Clamping piece with holes for injection unit 800

Item 18 408/03
1 Servo-controlled, programmable nozzle contact force
for injection unit 1 (via small accumulator hydraulics)

Item 19 480/10
1 Control extension for connecting one or more measuring amplifiers according to EUROMAP 75;
Connection to movable clamping plate; For this, a measuring amplifier (strain gauge amplifier / piezo charge amplifier / general measuring system / temperature measuring amplifier) is also required.

Item 20 136/09
1 Injection unit 290 for vertical injection into the mold separation during 2-component processing.

Item 21 902/00
1 for 136/09:
Special version of injection unit 400 vertical.

Item 22 065/35
1 Plasticizing cylinder assembly 35 mm (without nozzle) in a highly wear-resistant design with a sintered metal-tipped backflow preventer, i.e., highly wear- and corrosion-resistant for processing thermoplastics with highly abrasive or corrosive components and for high-temperature materials - for injection unit 2

Item 23 903/00
1 CrN coating (screw and backflow preventer) - for injection unit 2

Item 24 904/00
1 Reinforced screw coupling with multi-tooth geometry for high continuous dosing torques; compatible with plasticizing cylinder modules with multi-tooth screw drive
- for injection unit 2

Item 25 225/35
1 Open nozzle 35 mm with internal thread for screw-in nozzle tips, low-wear, without heating band.
Internal thread up to injection unit 290: M 24 x 1.5
Internal thread from injection unit 400: M 36 x 2
- for injection unit 2

Item 26 300/01
1 Nozzle tip with external thread for an open nozzle in standard design - for injection unit 2

Item 27 905/00
1 for 300/01:
Nozzle tip with external thread for an open nozzle, extended by
50 mm
- for injection unit 2

Item 28 320/01
1 Heating band for an open nozzle - for injection unit 2

Item 29 906/00
1 Heating band for nozzle tip, extended, connection via additional heating control circuit (Additional heating control circuit for heating band VE 468/01 required)
Dimensions of nozzle heating band: Outer diameter = 45 mm,
Height (electrical connection and Clamping bracket) = 65 mm,
Length = 23 mm
- for injection unit 2

Item 30 414/43
1 clamping piece with holes for 2nd injection unit
170/290/400

Item 31 907/00
1 Angled extension piece for vertical injection unit towards the operator side
- for injection unit 2

Item 32 408/13
1 Programmable, controlled nozzle contact force for injection unit 2 (via small accumulator hydraulics)

Item 33 605/03
1 Elastic machine mounting on anti-vibration metals

Item 34 995/00
1 for 605/03:
instead of standard anti-vibration elements:
Airloc anti-vibration elements
(Reference 237.854)

Item 35 605/05 1 Tool monitoring via ejector plate safety device (Interface)

Item 36 605/06
1 Ejector quick-release coupling

Item 37 605/33
1 Automatic central oil lubrication system and distribution block located outside the machine enclosure for the grease lubrication points to minimize maintenance requirements of the toggle clamping unit
-> No need to disassemble protective elements
-> Lubrication during operation without interrupting production
-> Even higher machine availability

Item 38 383/10
2 Hydraulic core puller P/Q controlled for simultaneous controlled movements
- Pressure and flow are programmable for serial and simultaneous movements connections on the movable mold clamping platen, the hydraulic cylinders and hoses are not included in the scope of delivery

Item 39 909/00
1 for 383/10:
A total of 3 hydraulic core pulls:
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Core pull installation location:
- Ejector + core pull 1 on the movable platen operating side.
- Core pull 2 + 3 on the movable platen on the opposite operating side

Item 40 383/01
1 The maximum flow rate is 60 l/min for manually adjustable hydraulic core pulls and 30 l/min for controlled hydraulic core pulls.

Item 41 383/04
1 Core pull numbering on the movable mold clamping platen starting

Item 42 317/50
2 Electrical and pneumatic control of the needle gate nozzle(s) in the mold with a 5/3-way valve, installation location on the fixed mold clamping platen.

Item 43 382/51

1 Electric core pull control 1 with interface for load and encoder via Harting socket, connection to movable Clamping plate (Requires VE 436/00)

Item 44 990/00
1 for 382/51: Design according to ARBURG standard for controlling an electric rotary unit

Item 45 381/04
1 Controlled hydraulic ejector on the movable clamping plate, programmable for simultaneous movements

Item 46 381.40
1 Ejector plate extended for horizontal and vertical off-center ejection

Item 47 361/30
2 Blow-out unit with 3/2 valve on the movable mold clamping plate

Item 48 361/40
2 Blow-out unit with 3/2 valve on the fixed mold clamping plate

Item 49 361/94
1 Numbering of the blow-out units starting on the movable mold clamping plate

Item 50 388/12
1 Discs on the protective slide of the clamping unit made of transparent PC

Item 51 354/11
1 Servo-electric mold height adjustment with automatic clamping force control, constant clamping force through fully automatic compensation of the thermal expansion of the mold

Item 52 358/95
1 Increase in the maximum mold installation height to 950 mm, the minimum mold installation height is therefore increased to 400 mm The opening stroke remains unchanged at 550 mm.

Item 53 910/00
1 moving frame for attaching a clean room or dry air module; design adapted to the vertical injection unit.

Item 54 911/00
1 clean air module above the clamping unit with air ionization; design and size of the clean air module adapted to the vertical injection unit.

Item 55 525/02
1 Machine-specific cooling circuits, programmable controlled

Item 56 512/04
1 Cooling water distribution with 4 free circuits, manually adjustable, with optical flow indicator, DN 13 connection

Item 57 512/00
2 Free connections for cooling water distribution manually adjustable

Item 58 517/17
1 Tool-specific cooling water distribution via one pipe distributor each for supply and return flow on the fixed and movable mold clamping platen on the rear of the machine, for maximum permissible temperatures of 160 degrees, each with:
- 8 circuits with 3/8" internal thread shut-off valves
- Separate supply lines for the pipe distributors with water hoses (DN 20) with stainless steel braiding mounted at the end of the machine stand clamping unit
- Connections for temperature control units with Shut-off valves (3/4" internal thread)
Hoses to the temperature control units and the ARBURG cooling water distributor are not included in the scope of delivery.

Safety note:
We point out that when using high temperatures, appropriate hose couplings must be used, which feature an additional locking mechanism to prevent accidental release.

Item 59 912/00
1 Mold-specific cooling water distribution via a pipe distributor for supply and return flow on the movable mold clamping platen on the operator side, for maximum permissible temperatures of 160 degrees, each with:
- 8 circuits with 3/8" internal thread shut-off valves
- Separate supply line for the pipe distributor with
water hoses (DN20) with stainless steel braiding
mounted at the end of the machine stand
clamping unit
- Connections for temperature control units with shut-off valves
(3/4" internal thread)
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Hoses to the temperature control units and to the
ARBURG cooling water distributor are not included in the scope of delivery.

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Safety Notice:
We point out that when operating at high temperatures, appropriate hose couplings must be used. These couplings have an additional locking mechanism to prevent accidental release.

Item 60 360/20
6 Pressure reducing valve 2000 l/min with pneumatic maintenance unit
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Item 61 605/07
1 Control cabinet water-cooled via heat exchanger
- Controlled temperature for long component life
- High temperature stability and operational reliability
- Sealed against dust and humidity
- No air turbulence - ideal for clean rooms
- No waste heat

Item 63 131/06
1 SELOGICAND SELOGICA user interface in a new design with high-contrast full HD screen and capacitive touch technology for direct data access.
Operating unit (15.6 inches) with user-friendly tilt and swivel.

Item 69 478/28
1 Time-controlled, two-stage locking program; The running time of the first stage is limited to 2 seconds.

Item 70 389/04
1 Tool locking with the protective slide open: During setup, the locking mechanism is set up and clamped, the protective slide can be opened, when leaving setup mode, the locking mechanism is removed again.

Item 71 478/10
1 Freely programmable acceleration and deceleration ramps for the hydraulic ejector to influence the ejector dynamics.

Item 72 438/01
1 4 freely programmable inputs/outputs, accessed on the circuit board via a detachable plug connection.

Item 73 660/00
1 Control extension for additional signals (accessed on the circuit board, via a detachable plug connection).

Item 74 444/30
1 socket combination with 2 x CEE and 2 x Schuko sockets protected by a 30 mA Type B universal current-sensitive residual current device;
When using the socket for connecting electronic equipment, e.g., frequency converters, phase-angle control units (soft starters), and switching power supplies, a 30 mA Type B universal current-sensitive residual current device (RCD) is required.

Item 75 913/00
1 for 444/30: Version as a 3-way distributor

Item 76 914/00
1 socket distributor (3 x CEE, 3 x Schuko) with separate supply line protected by a 30 mA Type B universal current-sensitive residual current device;

When using the socket for connecting electronic equipment, e.g., frequency converters, phase-angle controls (soft starters), switching power supplies, a universal current-sensitive residual current device (RCD) is required.
VE 444/22
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CAUTION:
The supply cable is provided by the customer, not via the machine.
The distributor is integrated into the automatic shutdown system and mounted on the machine stand.

Item 77 455/05
1 CompactFlash and USB interface for data storage

Item 78 455/06
1 Operator authorization with chip card according to EUROMAP 65

Item 79 457/10
1 Optical signal element (red/yellow/green), mounted on the front of the clamping unit

Item 80 457/21
1 Additional signal element for acoustic fault indication

Item 81 457/22
1 Additional fault indication with flashing light

Item 82 469/36
18 electrical heating control circuits for heating the mold, each with a maximum of 3.6 kW / 230 V, (HAN 24 E, Hasco wiring, without connecting cable from the machine-side connection to the mold), suitable for control circuits with a maximum temperature rise of 20 degrees/s, fused with 16 A, connected next to the fixed mold clamping plate.
Intended for type L sensors (type J sensors upon request)

Item 83 991/100
1 of 469/36:
6 of the heating control circuits are used as measuring circuits for your requirements (4 pieces)

Item 84 915/00
1 of 469/36:
Power and sensor separated on 24-pin connectors each HARTING socket HAN E, sensor type tool zones type J, bracket as below.
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Total distribution as follows:
- Connector 1 - 12x Power
- Connector 2 - 12x Sensors
- Connector 3 - 6x Power
- Connector 4 - 6x Sensors

Item 85 916/00
1 for 469/36 + SOPO 915:
Special assignment: SOCKET POWER SOCKET SENSORS
1 Longitudinal bracket 2 Crosswise bracket
++++++++++ ++++++++++
+ 1 + 13 + + 13 + 1 +
+—+—+ +—+—+
+ 2 + 14 + + 14 + 2 +
+—+—+ +—+—+
+ 3 + 15 + + 15 + 3 +
+—+—+ +—+—+
+ 4 + 16 + + 16 + 4 +
+—+—+ +—+—+
+ 5 + 17 + + 17 + 5 +
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+ 6 + 18 + + 18 + 6 +
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(Reference 237.854)

Item 86 468/01
1 1 additional heating control circuit for nozzle or for nozzle tip, with socket

Item 87 468/11
1 1 additional heating control circuit for nozzle or nozzle tip with socket - for injection unit 2

Item 88 450/01
1 Basic Connectivity
Basis for all connected systems, consisting of:
- Software OPC-UA communication capability
- CPU Ethernet port
- Emergency Gateway

- Cable, Ethernet connection
-> Machine prepared for "4.Service" (remote maintenance)
-> Machine prepared for arburgXworld Customer Portal

Item 89 451/01
1 8-way switch for connecting up to 8 peripheral devices via OPC-UA according to EM 82.1 - EM 82.3 to the ARBURG injection molding machine, connection thread M12

Item 90 451/10
1 OPC-UA interface for temperature control units according to EUROMAP 82.1 for connecting up to 6 devices (up to 26 devices on request)
Including function extension for flow monitoring (Sub-distributors up to a maximum of 32 channels, max. 8 channels for the first 4 devices).
This interface is currently available for the following devices:
- Regloplas
- FIB-Therm

Item 91 451/05
(For machine-to-device connection cable, see VE 451/05)
3 cables for connecting peripheral devices via OPC-UA according to EM 82.1 - EM 82.3 (e.g., temperature control units or hot runner control units) to the ARBURG injection molding machine. Connection towards the machine: M12, connection towards the peripherals: RJ45 (Length 5 m)

Item 92 450/30
1 host computer interface: OPC-UA

Item 93 992/00
1 to 450/30:
Interface design according to ARBURG standards, suitable for the ARBURG ALS.

When purchasing the automation system with ATCM from ARBURG, we also use the 3rd free port to connect our ATCM and report from there directly to the ALS via OPC-UA !!

Item 94 454/03
1 printer interface, serial USB, for setting parameters, screen pages, and graphics

Item 95 425/05
1 interface for robot system according to EUROMAP 67, 50-pin connector

Item 96 493/00
1 interface for a coloring/dosing device (potential-free contact)

Item 97 493/10
1 interface for a coloring/dosing device – for injection unit 2 (potential-free contact)

Item 102 592/03

1 Operating manual and spare parts list on CD

Item 103 592/05
1 Electrical and hydraulic circuit diagrams on CD

Item 104 592/50
1 Safety signs in German (DE)

Item 107 462/01
Interface for securing safety fence door 1 (according to EUROMAP 73) for attaching a protective enclosure on the rear of the machine;
Switch optionally available under VE 464/20;
Caution: The system may only be operated in conjunction with a protective enclosure.