

...to perform better



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DEKUMED[®]
KUNSTSTOFF UND MASCHINENVERTRIEB



Meter Mix and Dispense Technology



Dekumed GmbH und Co. KG, located in Bernau am Chiemsee, approximately 70km south east of Munich, Germany, is specialized to develop equipment for the composite production of tomorrow. With the experience of 30 years, we offer our customers the technology for RTM-Injection equipment, infusion and wet compression moulding process and the tooling for composite parts.

All key parts like hardware and software are an “in house” product and are adapted to the requirements of our customers. Specialists for software engineering, CAD construction, prototyping (e.g. 5 axis-milling) offer a wide spectrum for solutions. Partners in all industry sectors such as automotive, renewable energy, aerospace, defence and boatbuilding trust us since ages.

Dekumed stands for the Quality “Made in Germany”. We are prepared for the future...
to perform better...



to perform better...

Meter Mix and Dispense Technology

Innovative solutions for

RTM &
WCM processes

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Unidos 300 3-C RTM



- Processing of 3-component RTM system
- Intuitively operator guidance
- Continuous temperature guidance up to 180°C
- Integrated automatic and cascading degassing up to fine vacuum and self-test
- Innovative quick release and change units for pumps and flow meters
- Automatic pump type detection
- Very high level of metering / dispensing precision
- Innovative quick change system for material containers
- Various communication interfaces
- Remote-controllable
- Process data storage
- Siemens controller

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Unidos 300 2-C RTM



- Processing of 2-component RTM system
- Intuitively operator guidance
- Continuous temperature guidance up to 80°C
- Integrated automatic and cascading degassing up to fine vacuum and self-test
- Very high level of metering / dispensing precision
- Various communication interfaces
- Remote-controllable
- Process data storage
- Siemens controller

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RTM pressure pot



- Processing of single component or premixed multi component resin systems
- Injection volume up to 40 liters
- Degassing equipment
- Reservoir heating up to 100°C
- High precise dispensing control
- Injection pressure up to 6 bar
- Closed housing design
- Siemens PLC controlled injection programs by volume-, pressure- and time
- Automatic calibration of machine

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Single component RTM-equipment



- Designed to process reactive single components or pre-mixed multi-component systems
- Prepared for degassing
- Cylinder temperature up to 130°C
- Heated injection hose up to 180°C
- Precise injection control
- Robust design with synchronously driven circulating-ball spindle
- Siemens controller
- Injection pressure up to 100 bar
- Closed cabinet
- Volume-, pressure- und time controlled injection programs
- Fully automated system calibration

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Unidos 300 3-C WCM

„For wet compression applications“



- Processing of 2- or 3-component laminating system
- Intuitively operator guidance
- Continuous temperature guidance up to 80°C
- Integrated automatic and cascading degassing up to fine vacuum and self-test
- Very high level of metering / dispensing precision
- Various communication interfaces for CNC / robot
- Remote-controllable
- Process data storage
- Siemens controller

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Standart solutions for your
engineering challenges

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The Bi component meter mix and dispense machine for thixotropic paste adhesive out of 200 litres drums

Unidos 300 TX/MP 200 DOBD (Direct Onto Blade Dispenser)



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Unidos 300 TX/MP 200 DOBD

Technical data

- Steel chassis
- Switch cabinet for electronic and pneumatic
- Follower plates 580 mm for 200 litres drum for A- and B-component, joint-less follower plate sealing
- Ceramic coated pumps in special design
- Special hardened gear metering pumps for high pressure application
- Three phase motors for A and B component, frequency controlled
- Pumps and drive motors directly mounted on follower plates
- Bleed plugs for both follower plates
- Bleed taps for bleeding pumps after drum change with manual pump start
- Low level control for drum A + B
- Speed monitoring for pump drives
- Electronic adjustable dispense quantity
- Available max dispense rates: 10 kg / min or 20 kg / min
- Pressure lines 250 bar
- Electronic mixing-ratio adjustment
- Mixing block with dynamic and static mixing
- Stainless steel dynamic and static mixing section
- Electronic mixing block motor, speed adjustable, 0 – 4.000 rpm
- Purge of mixing section with base component, 2 valve system single operated
- Swivel boom for mixing block, boom height 3 metres, cantilever length 4 metres
- All equipment mounted on a steel platform with lockable rollers > 150mm
- Acoustic and optical alarm after pot-life end and low level of material

Controller

- Siemens PLC, S7-200, Touch-Panel 5,7"
- Mixing ratio monitoring and regulation
- Display of all relevant process data
- Product management
- Job management
- Batch-No. management

Equipment options

- Colour- graphic display, 19", process view in one picture
- Remote desktop for 19" display
- Wireless remote control for start/stop, dispense speed, Purge, Emergency off
- Interface and printer for protocol print (USB, RS 232)
- Ethernet interface for transfer of ASCII-data
- Lab software "Daisy Lab" with interface for graphic process recording, small Version of "Lab View", PC for data storage on customers request

Supply

- 380 volts, 3-phase, neutral / earth , 12 - 18 kW, 6 – 8 bar compressed air

Dimensions

- Width: 2.312mm, Depth: 1.480mm, Height: 3.989 mm

3 C-Meter Mix and Dispense machine for automatic infusion application

UNIDOS 300 Infusion 3C



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Unidos 300 Infusion 3C

Technical data

- Steel frame
- Steel platform
- Rollers, min. diameter 150mm
- Pressurised container 100 litres with level control for A-component
- Pressurised container 60 litres with level control for B1-component
- Pressurised container 60 litres with level control for B2-component
- Resin trap for all containers
- Cabinet for electronics and controller
- Axial piston pumps, hardener pumps with magnetic drive clutch
- Flow meters for all components
- AC pump drives
- Electronic adjustable dispense rate
- Available max dispense rates: 20 kg / min, 40 kg / min or 60 kg / min
- Electronic adjustable mixing ratio with ratio control and regulation
- Siemens PLC- controller
- Dispense pressure monitoring and programmable limit
- Potlife control
- Height adjustable 3-componente mixing block for disposable static mixer use
- Electro mechanical valves at mixing head with non return valves
- Recirculation mixing block – machine container
- Purge with base component
- Wired remote control for Start-Stop, Emergency Off

Controller

- Siemens PLC, S7-200, Touch-Panel 5,7“
- Mixing ratio monitoring and regulation
- Display of all relevant process data
- Product management
- Job management
- Batch-No. management

Equipment options

- Shoes for fork lift
- Electrical heaters stainless steel for 100 / 60 litres container
- Heated pressure tubes
- Agitators with electrical drive motor
- Interface and printer for protocol print (USB, RS 232)
- Ethernet interface for transfer of ASCII-data
- Panelling of entire machine
- Automatic transfer control from pressurised ring supply
- Automatic transfer control from ring supply or IBC with double diaphragm pumps for A-, B1- and B2-component
- Colour- graphic display, 19“, process view in one picture
- Remote desktop for 19” display
- Wireless remote control for start/stop, dispense speed, Purge, Emergency Off
- Lab software “Daisy Lab” with interface for graphic process recording, small Version of “Lab View”, PC for data storage on customers respond
- Air-Blow clean system for mixing block

Machine supply

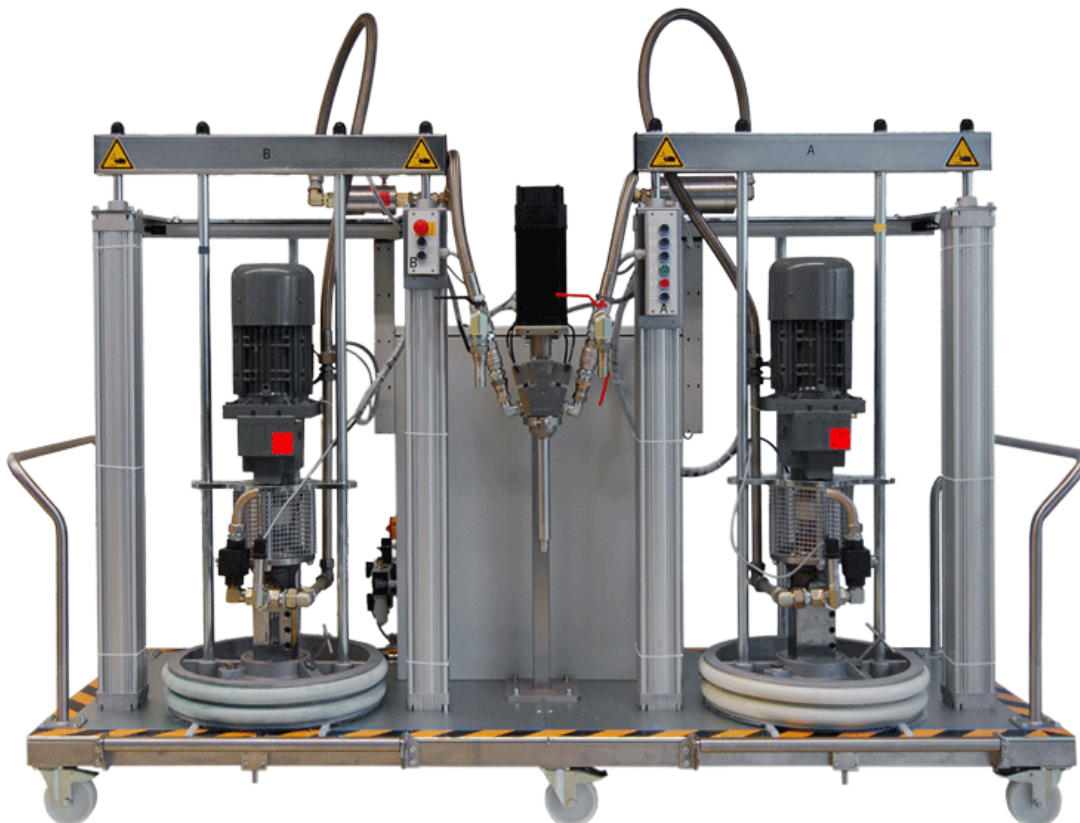
- 380 volts, 3-phase, neutral / earth, 8 - 20 kW, 6-8 bar compressed air

Dimensions

- Width: 2.000mm, Depth: 2.123mm, Height: 2.029 mm

2C Meter Mix and Dispense Machine to process thixotropic epoxy-systems out of 200 litres drums, bucket dispenser

Unidos 300 TX / MP 200 HV



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KUNSTSTOFF UND MASCHINENVERTRIEB

Unidos 300 TX / MP 200 HV

Technical data

- Steel chassis
- Switch cabinet for electronic and pneumatic
- Follower plates 580 mm for 200 litres drum for A- and B-component
- Ceramic coated pumps in special design
- Three phase motors for A and B component, frequency controlled
- Pumps and drive motors directly mounted on follower plates
- Speed monitoring for pump drives
- Bleed plugs for both follower plates
- Bleed taps for bleeding pumps after drum change with manual pump start
- Low level control for drum A + B
- Electronic adjustable dispense rate, max. 20 kg / min
- Pressure lines 250 bar
- Electronic mixing-ratio adjustment
- Mixing block with dynamic and static mixing
- Stainless steel dynamic and static mixing section
- Electronic mixing block motor, speed adjustable
- Purge of mixing section with base component
- Siemens controller
- Dispense pressure monitoring and programmable limit
- Tripod for mixing block and bucket positioner
- All equipment mounted on a steel platform with lockable rollers
- Acoustic and optical alarm after pot-life end and low level of material
- Set of spares for mixing-gun with delivery of the machine

Controller

- Siemens PLC, S7-200, Touch-Panel 5,7"
- Mixing ratio monitoring and regulation
- Display of relevant process data
- Product management
- Job management
- Batch-No. management

Equipment options

- Shoes for fork lift
- Colour- graphic display, 19", process view in one picture
- Remote desktop for 19" display
- Wireless remote control for start/stop, dispense speed, Emergency off
- Ethernet interface for transfer of ASCII-data
- Lab software "Daisy Lab" with interface for graphic process recording, small Version of "Lab View", PC for data storage on customers request

Supply

- 380 Volts, three phase, earth and neutral, 15 kW, 6 bar compressed air

Dimensions

- Width: 2.100mm, Depth: 900mm, Height: 2.700mm

2 C-Meter Mix and Dispense machine for infusion application

UNIDOS 300 Infusion 2C



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Unidos 300 Infusion 2C

Technical data

- Steel frame
- Steel platform
- Rollers, min. diameter 150mm
- Pressurised container 60 litres with level control for A-component
- Pressurised container 60 litres with level control for B-component
- Resin trap for both containers
- Cabinet for electronics and controller
- Axial piston pumps, hardener pump with magnetic drive clutch
- Flow meters for both components
- AC pump drives
- Electronic adjustable dispense rate
- Available max dispense rates: 20 kg / min, 40 kg / min or 60 kg / min
- Electronic adjustable mixing ratio with ratio control and regulation
- Siemens PLC- controller
- Dispense pressure monitoring and programmable limit
- Potlife control
- Height adjustable 2-component mixing block for disposable static mixer use
- Electromechanical valves at mixing head with non return valves
- Recirculation mixing block – machine container
- Purge with base component
- Wired remote control for start-stop, Emergency Off

Controller

- Siemens SPS, S7-300, Touch-Panel 5,7“
- Mixing ratio monitoring and regulation
- Display of all relevant process data
- Product management
- Job management
- Batch-No. management

Equipment options

- Shoes for fork lift
- Electrical heater stainless steel for 60 litres container
- Heated pressure tubes
- Agitator with electrical drive motor
- Interface and printer for protocol print (USB, RS 232)
- Ethernet interface for transfer of ASCII-data
- Panelling of entire machine
- Automatic transfer control from pressurised ring supply
- Automatic transfer control from ring supply or IBC with double diaphragm pumps for A-, and B-component
- Pump inlet pressure control
- Colour- graphic display, 19“, process view in one picture
- Remote desktop for 19” display
- Wireless remote control for start/stop, dispense speed, Emergency Off
- Lab software “Daisy Lab” with interface for graphic process recording, small Version of “Lab View”, PC for data storage on customers respond
- Air-Blow clean system for mixing block

Machine supply

- 380 volts, 3-phase, neutral / earth, 6 kW, 6-8 bar compressed air

Dimensions

- Width: 1.480mm, Depth: 1.960mm, Height: 1.800 mm

2C-Meter Mix and Dispense machine for In-Mould Gel-Coat or Repair application

UNIDOS 200 GelCoat



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Unidos 200 GelCoat

Technical data

- Steel platform
- Rollers, diameter 100mm
- Pressurised container 60 litres with level control for Polyol-component
- Pressurised container 60 litres with level control for Isocyanat-component
- Resin trap for both containers
- Cabinet for electronics and controller
- Specialised gear pumps
- Steel gear flow meters
- AC pump drives
- Electronic adjustable dispense rate up to 3 kg / min
- Electronic adjustable mixing ratio with ratio control and regulation
- Siemens PLC- controller
- Dispense pressure monitoring and programmable limit
- Potlife control
- Pressure lines 250 bar, length 4.000mm
- Mixing head for the use of disposable plastic static mixers, start stop trigger at handle
- Swivel boom with counter balance for mixing head

Controller

- Siemens PLC, S7-200, Touch-Panel 5,7"
- Ratio monitoring and regulation
- Monitoring of all relevant process data
- Product management
- Job management
- Batch-No. management

Equipment options

- Shoes for fork lift
- Electrical heaters stainless steel for 60 litres container
- Heated pressure tubes
- Agitators with electrical drive motor
- Interface and printer for protocol print (USB, RS 232)
- Ethernet interface for transfer of ASCII-data
- Panelling of entire machine

Transfer unit for 2 x 200 litres standard drums

- Steel frame
- Steel platform, roller with diameter min. 150mm
- 2 pneumatic lifts
- Drum lid for Polyol with agitator and piston transfer pump
- Drum lid for Isocyanat with double diaphragm pump
- Drum support rollers for easy load of 200 litres suppliers drums
- Drum glide bars
- Drum latch
- Level control of 200 litres drums
- Stable „Harting“ sockets to connect transfer unit to dispense unit
- Safety requests for agitator and drum lift

Supply

- 380 volts, 3-phase, neutral / earth, 6 kW, 6-8 bar compressed air

Dimensions

- Width: 1.000mm, Depth: 2.000mm, Height: 2.450mm with boom

2C-Meter Mix and Dispense machine to process machine putty

UNIDOS 300 TX/MP 200 Putty



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KUNSTSTOFF UND MASCHINENVERTRIEB

Unidos 300 TX / MP 200 Putty

Technical data

- Steel frame
- Steel platform
- Rollers, diameter 100mm
- Follower plate 580 mm for 200 litres drum for A- component
- Pressurised container 60 litres with level control for B- component
- Resin trap for B- container
- Ceramic coated pump in special design for A-component and pump drive mounted on follower plate
- Steel gear pump for B- component
- Cabinet for electronics and controller
- Flow meters
- AC pump drives
- Electronic adjustable dispense rate up to 3 kg / min
- Electronic adjustable mixing ratio with ratio control and regulation
- Siemens PLC- controller
- Dispense pressure monitoring and programmable limit
- Potlife control
- Pressure lines 250 bar, length 3.000mm
- Mixing head for the use of disposable plastic static mixers, start stop trigger at handle

Controller

- Siemens SPS, S7-200, Touch-Panel 5,7"
- Ratio monitoring and regulation
- Monitoring of all relevant process data
- Product management
- Job management
- Batch-No. management

Equipment options which complete your system

- Shoes for fork lift
- Heated pressure tube
- Interface and printer for protocol print (USB, RS 232)
- Ethernet interface for transfer of ASCII-data
- Swivel boom with counter balance for mixing head

Supply

- 380 volts, 3-phase, neutral / earth, 6 kW, 6-8 bar compressed air

Dimensions

- Width: 1.900mm, Depth: 900mm, Height: 2.700mm

2C Meter Mix and Dispense Machine to process "PUR Paint"

UNIDOS 300 Paint dispenser



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Unidos 300 Paint dispenser

Technical data

- Steel frame
- Steel platform
- Rollers, min. diameter 150mm
- Pressurised container 60 litres for Polyol, heater stainless steel, agitator, level control, sensor for emergency switch of for refilling
- Pressurised container 60 litres for Isocyanat, level control, sensor for emergency switch of for refilling
- Resin trap for both components
- Cabinet for electronics and controller
- Specialised gear pumps
- Gear flow meters
- AC pump drives
- Electronic adjustable dispense rate up to 10 litres / min
- Electronic adjustable mixing ratio with ratio monitoring and regulation
- Siemens PLC- controller
- Dispense pressure monitoring and programmable limit
- Potlife control
- Height adjustable 2-componente mixing block for disposable static mixer use
- Electro mechanic valve actuation
- Coloured push buttons for start-stop, clear, ratio check
- Key switch for pre adjusting various dispense speeds
- Sockets / Interface to connect automatic transfer unit

Controller

- Siemens SPS, S7-200, Touch-Panel 5,7"
- Flow control, mixing ratio monitoring and regulation
- Monitoring of all relevant process data
- Product management
- Job management
- Batch No. management

Equipment options for Meter Mix and Dispense machine

- Shoes for fork lift
- Interface and printer for protocol print (USB, RS232)
- Ethernet interface to transfer ASCII-data
- Colour- graphic display, 19", whole process view in one picture
- Remote desktop for 19" display

Transfer unit for 2 x 200 litres standard drums

- Steel frame
- Steel platform, roller with diameter min. 150mm
- 2 pneumatic lifts
- Drum lid for Polyol with agitator and piston transfer pump
- Drum lid for Isocyanat with double diaphragm pump
- Drum support rollers for easy load of 200 litres suppliers drums
- Level control of 200 litres drums
- Stable „Harting“ sockets to connect transfer unit to dispense unit
- Safety requests for agitator and drum lift

Supply

- 380 Volt-3-phase, neutral / earth, 6 kW, 6-8 bar compressed air

Dimensions

- Width: 1.200mm, Depth: 1.800mm, Height: 1.765mm

2-component metering- and mixing plant

Unidos 100

epoxy resins
polyurethane resins
silicones

Applications

RIM / RTM
Encapsulation
Injection
Potting
Bonding

Technical Data

- Aluminium frame
- Stainless steel cover
- Precision steel gear pumps
- Resin containers
- Adapter for disposable static mixer use
- Pump drive unit
- Mixing ratio adjustment by changing belt wheels
- High pressure tubes
- Output rate max. 800 g/min at a mixing ratio of 100:100



Optional Equipment

- Mixing block for the use of disposable static mixers
- Mixing block for the use of rotary static mixers with blow out equipment
- Smooth electrical output rate adjustment
- Shot timer
- Stainless steel containers 3 litres

Supply

220 Volts
compressed air 6 bar

Weight and dimensions

height 190 mm (without container)
width 440 mm
depth 550 mm
20 kg



Adapter for static mixer

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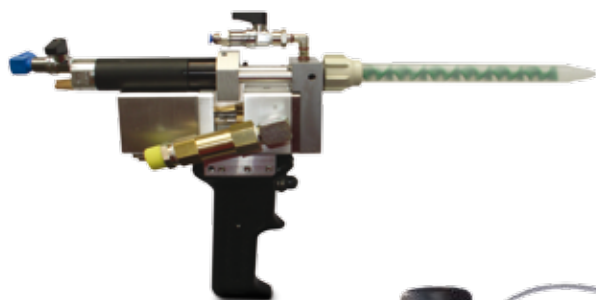


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2-component metering- and mixing plant

Unidos 200



epoxy resins
polyurethane resins
silicones
methacrylates



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Unidos 200

Technical Data

- Stainless steel chassis
- Stainless steel working surface
- Three-phase current engine 0,37 kW
- Toothed belt drive
- Precision steel gear pumps
- Adjustable output rate
- Pressure lines
- Mixing block for disposable static mixers
- Trigger at mixing block
- Manual gear box for smooth adjustable mixing ratio

Optional Equipment

- Agitator with drive A/B
- Container heating A/B
- Mixing block with pneumatic mixer drive and blow-out equipment
- Electronical adjustable output rate
- Optional containers size: 1, 5, 10, 20 Litre
- Shot timer
- Solvent purge
- Bulk feed or bulk transfer of material

Supply

220 Volts

0,4 - 1kW

compressed air 6 bar

Weight and dimensions

height 840 mm (with container)

width 800 mm

depth 550 mm

50 kg

2-component metering- and mixing plant

Unidos 300

epoxy resins
polyurethane resins
silicones



static-dynamic mixing and solvent-free cleaning

The metering and mixing block convinces due its exceeding mixing performance for any variety of mixing ratios and viscosities. The concept permits the absolute give up of solvents when rinsing.

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Technical Data

- Stainless steel chassis and stainless working surface
- Rollers
- High precision steel gear pumps
- Three-phase current motor
- Various dispense rate at a mixing ratio of 100 : 100 available (1, 2, 4, 8, 15 kg/min)
- Smooth adjustable mixing ratio
- Pressure lines 250 bar, free length 3.000 mm
- Re-circulation mixing block to machine container
- Mixing block with dynamic and static mixing
- Pneumatic mixer drive
- Disposable static mixers
- Purge of mixing block by use of one component and compressed air
- Trigger at mixing block
- Siemens controller
- Moisture trap

Optional Equipment

- Filling level monitor A/B
- Light agitator A/B
- Heavy duty agitator A/B
- Agitator drive A/B
- Container heating with temperature control A/B
- Shot timer
- Bulk feed or bulk transfer of material
- Mixing ratio monitoring with alarm and automatic stop
- Pressure monitoring
- Electronic mixing block motor with adjustable speed
- Patented coupling system for DEKUMED reusable containers
- Solvent purge
- Extension of pressure lines
- Foot switch -Start/Stop
- Foot switch -purge

Supply

220 Volts/ 380 Volts
1 - 5 kW
compressed air 6 bar

Weight and dimensions

height 1600 mm (with container)
width 1230 mm
depth 620 mm
120 kg

2-component metering- and mixing plant to process PU model pastes

Unidos 300 MP



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KUNSTSTOFF UND MASCHINENVERTRIEB

Unidos 300 MP

Technical Data

- Stainless steel chassis and stainless steel working surface
- Rollers
- 2 x stationary containers 70 / 70 Litre
- Precision stainless steel gear pumps
- Three-phase current motor
- Output rate max. 5 litre/min adjustable
- Pressure lines 250 bar
- Re-circulation mixing block to machine container
- Mixing block with dynamic and static mixing
- Pneumatic mixer drive
- Purge of mixing block by use one component and compressed air
- Trigger at mixing block
- Siemens controller
- Smooth adjustable mixing ratio
- Free length of tube package to mixing block 3 metres
- Level control for A-component
- Potlife alarm
- Agitator and motor 100 W / n = 16 for A-component
- Container heating with control for A-component
- Moisture trap for Isocyanate

Optional Equipment

- Transfer pump to refill machine container out of 50 litres suppliers drum
- Special agitator for mixing the Polyol in a 200 litres delivery drum with automatic transfer pump to pump the Polyol into the machine container
- Automatic transfer pump for hardener from a 200 litres delivery drum
- Pressure display
- Mixing ratio monitoring
- Swivel boom with adjustable height
- Extension pressure tubes to 7 metres
- External operation panel
- Electronic mixing block motor

Supply

220 Volt
compressed air 6 bar

Weight and dimensions

height 1800 mm (with container)
width 1230 mm
depth 620 mm
120 kg (basic equipment)

2-component metering- and mixing plant to process thixotropic systems

Unidos 200 TX



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Unidos 200 TX

Technical Data

- Switch cabinet with controller, pneumatic and mechanics
- Feed part A direct from suppliers 20 litre open topped straight sided drums, follower-plate unit with 282mm diameter
- Feed part B direct from suppliers 20 litre open topped straight sided drums, follower-plate unit with 282mm diameter
- Low level cut off for both components
- Precision stainless steel gear pumps
- Three-phase current engine
- Electronic adjustable dispense rate
- Manual gear box for smooth mixing ratio adjustment
- Pressure lines 250 bar, free length 3 metres
- Mixing block for disposable static mixer use
- Start / Stop trigger at mixing block
- Follower plate units and machine are based on a zinc plated steel base with rollers
- Potlife alarm

Optional Equipment

- Ratio control by flow-meters, display of dispense rate and mixingratio, 5,7" touch screen, blue illuminated display, stop and alarm at ratio-failures, displaying of important process data, free programable shot volumes
- Interface and thermo printer for labels with process data
- Interface for ASCII-code for process data transfer
- Stativ for mixing block
- Metering of minimum quantities
- Machine for 200 litres drums available

Supply

220 Volts

2 - 6kW

compressed air 6 bar

Weight and dimensions

height 1900 mm

width 1900 mm

depth 600 mm

170 kg

2-component metering- and mixing plant to process thixotropic systems

Unidos 300 TX/MP 50



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KUNSTSTOFF UND MASCHINENVERTRIEB

Unidos 300 TX/MP 50

Technical Data

- Stainless steel frame
- Switch cabinet with controller, pneumatic and mechanics
- Feed part A direct from suppliers 50 litre open topped straight sided drums, follower-plate unit with 360mm diameter
- Feed part B direct from suppliers 50 litre open topped straight sided drums, follower-plate unit with 360mm diameter
- Metering pump with drive unit mounted on follower plate A
- Metering pump with drive unit mounted on follower plate B
- Low level cut off for both components
- Three-phase current motor
- Electronic adjustable dispense rate
- Electronic mixing ratio adjustment
- Pressure lines 250 bar
- Mixing block with dynamic and static mixing
- Purge with one component
- Swivel boom for mixing block
- Follower plate unit and Unidos 300 TX/MP machine are based on a zinc plated steel base with rollers
- Potlife alarm, adjustable time

Optional Equipment

- Swivel boom with adjustable height
- Pressure display
- Version for 200 Litre container

Supply

380 Volts

compressed air 6 bar

Weight and dimensions

height 2500 mm (with swivel boom)

width 1900 mm

depth 900 mm (without swivel boom)

250 kg

2-component metering- and mixing plant to process thixotropic systems

Unidos 300 TX/MP 200



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boatbuilding



composites industry



aeronautics



automotive industry



electronic industry



medical technology



furnitures

DEKUMED®

KUNSTSTOFF UND MASCHINENVERTRIEB

Unidos 300 TX/MP 200

Technical Data

- Stainless steel frame
- Switch cabinet with controller, pneumatic and mechanics
- Feed part A direct from suppliers 200 litres open topped straight sided drums, follower-plate unit with 580mm diameter
- Feed part B direct from suppliers 200 litres open topped straight sided drums, follower-plate unit with 580mm diameter
- Metering pump with drive unit mounted on follower plate A
- Metering pump with drive unit mounted on follower plate B
- Low level cut off for both components
- Three-phase current motor
- Electronic adjustable dispense rate
- Electronic mixing ratio adjustment
- Pressure lines 250 bar
- Mixing block with dynamic and static mixing
- Purge with one component
- Swivel boom for mixing block
- Follower plate unit and Unidos 300 TX/MP 200 machine are based on a zinc plated steel base with rollers
- Potfile alarm, adjustable time

Additional Equipment Options

- Swivel boom, turnable and adjustable height, type "Quickboy"
- Pressure display for both components with adjustable limit
- Speed monitoring of dynamic mixing-head
- Pressure control with alarm, switch off, teach in mode, adjustable trigger time
- Pneumatic controlled taps for "one hand" pump bleeding, A + B
- Pneumatic controlled taps for pressure release, A+B

Equipment with controller and flow controller

- Siemens PLC S7-200, Touchpanel 5,7" 177 M, display of dispense rate and automatic mixing ratio regulation, stop and alarm at ratio failures and pressure exceed, monitoring of relevant process data, project handling, product handling, batch-no. management
- Interface and thermo printer for labels with process data
- Interface for ASCII-code to transfer process data, includes a Exel file
- Interface for Ethernet connection
- Communication interface for robot / CNC unit

Supply

380 Volts 3~, 6 kW
compressed air 6 bar

Weight and dimensions

height 2700 mm (with swivel boom)
width 1900 mm
depth 900 mm (without swivel boom)
weight 350 kg

2-component metering plant

Unidos 600

**epoxy resins
polyurethane resins
silicones
adhesives**



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furnitures

to perform better ...

DEKUMED[®]
KUNSTSTOFF UND MASCHINENVERTRIEB

Unidos 600

Applications

Exact proportional metering of:
Laminate-, surfaces-, adhesives and casting-
systems

Advantages

- Smooth adjustable mixing ratio
- Exact volume and mixing ratio, no loss of material
- Optimum of industrial hygiene
- Avoid hazardous waste
- High precision dosing system
- Saving of time
- Easy to operate

Technical Data

- Stainless steel chassis
- Rollers
- 2 x stationary containers 70/30 litres
- Metering block with two valves
- Metering block rotatable 90°
- High precision steel gear pumps
- Three-phase current motor
- Siemens controller
- Push button for Start/Stop

Optional Equipment

- Filling level monitor A/B
- Light agitator A/B
- Heavy duty agitator A/B
- Agitator drive A/B
- Container heating with controller A/B
- Patented coupling system for reusable containers
- Cupholder
- Single dispense of components

Supply

220 Volts
1-5 kW
compressed air 6 bar

Weight and dimensions

height 1600 mm (with container)
width 1230 mm
depth 620 mm
120 kg