

Basic machine:

Engine

Water-cooled, 4-cylinder Kubota Turbo Diesel engine 3300 cm³. 62 kW (83 HP) @ 2600 RPM.

Compressor

Screw compressor, capacity available from 1800 L/min. up to 3600L/min. at 10 bar. Air safety valve with silencer.

Chassis

Stable double profile frame construction. Engine, compressor and hydraulic pump in one unit mounted on vibration dampers.

Power steering

Fully hydraulically powered steering for directional stability. Turning circle 9.80 m.

Guide rod

Stabilised against vibrations and adjustable in all directions. Easy handling, telescopic system. Fixed to frame or turning with wheels.

Transmission

Hydrostatic, infinitely variable transmission 0-25 Km/h.

Hydraulic pump

Hydrostatic pump, 40 cm³.

Wheel motors

High-torque hydraulic piston motors with integrated full-torque electrohydraulic disc brakes.

Hydraulic oil tank

90 Litres.

Diesel oil tank

110 Litres.

Pressurized bead tanks

Bead capacity 200 L. 2 x 100 L. pressure tanks, centrally connected.

Operator section

Drivers section with 2 seats. The control panel, pneumatic section, electronics, steering wheel and instruments are connected to the drivers seat. The complete section can be slid from side to side within seconds and without the use of tools.

Electrical system

12 V/85 Amp alternator. Warning lights, rear lights, front lights, battery and relays.

Electronic control system BM UNI-LINE-EUR 1

For up to 3 paint guns and 3 bead guns. The waterproof control panel is equipped with raised buttons and each button has its own symbol for easy operation. 10 markings can be pre-programmed. Automatic, semi-automatic and manual

operation. Automatic remarking correction of cycle start and stop. Display for line length, gap, speed, working hours and total marking distance. Optional remote start/stop function.

Motor bonnet

Easy access for service in left and right side.

Paint

Standard: RAL 1007. Other colours available on request.

Spray-plastic equipment:

Thermo-plastic tank

Non-pressurized 350 L tank oiljacketed and indirectly heated by heat transfer oil. Vertical mixer with top foundation and bearings. Thermostatically controlled oil and material temperature.

Agitator transmission

Hydraulic transmission with motor, shaft, safety valve and on/off valve. Reversible mixer.

Burner system

Diesel oil burner or alternatively Propane burner

Heat transfer oil pump

Hydraulically driven.

Spray-plastic pump

Spray-plastic pump operates with a non-pressurised material tank. The pump consists of a hydraulically driven motor, gearbox, clutch, highly durable rotors and pump house. Pump housing is oil-jacketed and isolated. Capacity 80 L/min. at 10 bar.

Electro hydraulic control system

Hydraulic control valve adjusts the quantity of spray-plastic material according to the speed of the machine in order to obtain a constant layer thickness.

Retainer

Basic frame and marker unit for 3 spray guns and 3 bead guns. All material pipes are oil-jacketed and isolated to maintain an ideal material temperature.

Panel for pneumatic control

Control panel with pressure regulators and pressure gauges.

Spray-plastic gun

Automatic high-capacity sprayplastic gun. Consists of an oiljacketed gun body and a pneumatic cylinder. See also catalogue for our different types of gun.

Bead gun system

Please see brochure on guns.

Extruder equipment:

Extruder drive

Hydraulic motor with hose system and electronically controlled dose valve with integrated safety valve system.

Thermoplastic extruder

Thermoplastic extruder ranging from 20-50 cm fitted with 5 cm or 10 cm standard valves. (Special dimensions can be supplied on request).

The transport of material from tank to extruder is done by a hydraulically driven screw pump. The screw pump has a permanent thermoplastic re-circulation system which ensures a constant flow past the extrusion valves when material is not being extruded.

The extruder valves are cylindrical to achieve maximum working frequency when profiled markings are extruded, and they are mounted with interior hot-oil heating.

Quick cleaning

Pneumatically controlled quick cleaning system for the removal of solids left in the extrusion slot. Can be activated while extrusion is in process and is only slightly detectable on the line in the form of a moderate thickening of layer.

Extruder lifting cylinder

Adjustment of extruder height from driver's seat. Pneumatic lifting cylinder, controlled from drivers' seat.

Options:

Hydraulic lifting of pointer

Lifting and lowering of pointer is controlled from driver's seat.

Premarking system

Electronically controlled premarking system with telescopic foundation and ground distance wheel.

Driver's cabin

Foundation for reduction of vibrations, windscreen wiper, 50 mm noise silencing material in walls. Doors left and right. Operator controls and seat can be slided from left to right inside the cabin. Heating, ventilation and air condition

Dimensions + weight

L : 5100 mm.
W : 1200 mm + equipment.
H : 1900 mm
incl. rotating light.
Weight: From 2400 up to 4600 kg.

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