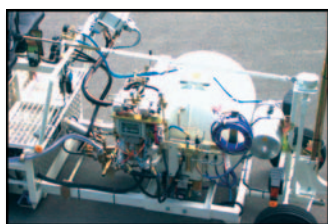




# H18-1 Universal



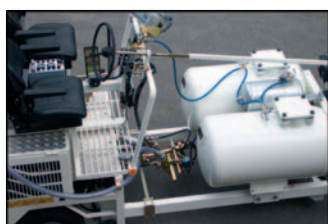
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**A compact, narrow and maneuverable universal machine with medium-sized capacities.**

- Hydraulic drive with wheel motor with infinitely variable speed adjustment. Hydraulic multi disk parking brake.
- Vertical exhaust, therefore no inconveniences by exhaust fumes at rear seat.
- One pressurised glass bead tank.
- Cockpit with all operating elements laterally adjustable without the need to install guides.
- High visibility during center- and edge line markings.
- Individual application units (exchangeable container) or exchange of front chassis incl. application unit at low effort by quick opening device systems and modular design principle.
- Engine compartment easily accessible for service work.
- Excellent panoramic view, also when driving backwards.

① H18-1 for thermoplastics, with 2 extruders and screed box, 300 l

② Cold paints Airless, with pump, 2 paint spray- and 2 glass bead guns, 450 l

③ Bellow pump system (M 98:2) for 2-component cold plastic, 460 l

④ Cold paints Airspray (low-pressure method), with paint spray- and bead gun, 2 x 225 l

## Technical Data

4-cylinder 2400 cm<sup>3</sup>,  
Kubota Turbo diesel engine,  
water-cooled ,  
low-emission (EU Stage IIIA resp.  
Tier 4 Interim)

44,0 kW at 2700 rpm

Fuel tank: 54 l  
in safety zone  
in front of rear axle

Hydraulic oil tank: 75 l

Air output, alternatively:  
1080 or 1620 l/min at 7,5 bar;  
compressed-air cooler

Drive unit:

- infinitely variable hydraulic drive
- acts simultaneously as service brake
- speed range:  
0 – 18,0 km/h

Power-take-offs  
for up to 3 hydraulic pumps,  
for several drives like material  
metering pumps, agitators etc.

Pressurised glass bead container:  
1 x 130 l  
1 x 220 l

Turning circle:  
Ø 10,3 m  
(dependent on equipment)

Dimensions (L x W x H mm):  
4445 x 1260 x 2170  
(dependent on equipment)

Weight, equipped:  
approx. 1480 – 2500 kg  
approx. 3260 – 5510 lbs

Total admissible weight:  
approx. 3400 kg  
approx. 7500 lbs

## A Cold Paints

Containers  
up to 460 l  
(225- and 460 l  
pressure containers)

460 l pressure container is suitable for equipment with universal pump (up to 18 l/min pump capacity), can be operated also unpressurised.

Universal pump suitable for high-pressure spraying method (Airless) and low-pressure spraying method (atomising-air-spraying method/Airspray).

Using the Airspray method the pump is also suitable for non-airless paints with or without mixed-in glass beads.

(see information n° 374 and 382)

**A** Marking with control governed by travelled distance (AMAKOS®) can be used under certain circumstances:

Constant line thickness irrespective of marking speed as well as manual adjustments are selectable.

(see information n° 396)

## A 2-component cold plastics

Containers  
Sprayable cold plastics:  
up to 460 l (460 and 440 l  
[2 chambers, each with 220 l]  
pressure container)  
cold plastics: up to 460 l  
(2 x 225 l unpressurised containers as well as 460 l pressure container)

440 l and 460 l (only 98:2) pressure containers are suitable for equipment with universal pump (up to 18 l/min pump capacity), therefore can be operated also unpressurised.

Sprayable cold plastics  
1:1 and 98:2

Universal pump suitable for high-pressure spraying method (Airless) and low-pressure spraying method (atomising-air-spraying method/Airspray). Using the Airspray method the pump is also suitable for non-airless sprayable cold plastics with or without mixed-in glass beads. (see information n° 374, 387)

Extrud. cold plastics 1:1 and 98:2  
Plain, structured (agglomerate) and Spottflex® (bellow pump or pressurised container system) as well as profiled markings (screed box system) up to 15 mm line thickness (depending on material).

(see information n° 379, 384, 385)

## A Thermoplastics

Containers  
Extrudable thermoplastics:  
up to 300 l  
(pressureless containers),  
heated by LPG or diesel oil.

Open thermoplastic screed boxes with oil jacket and LPG- or diesel oil heating, incl. exchangeable shutters for line widths from 10-50 cm as well as equipments for profiled markings.

(see information n° 279)

Thermoplastic extruder for single-, double- and triple lines of variable width, for simultaneous application of continuous / interrupted lines as well as for profiled markings with many different profiles (MultiDotLine®). Due to its modular design, existing extruders can be modified at any time in order to execute different plain- and profiled markings.

(see information n° 254, 279, 343, 381)

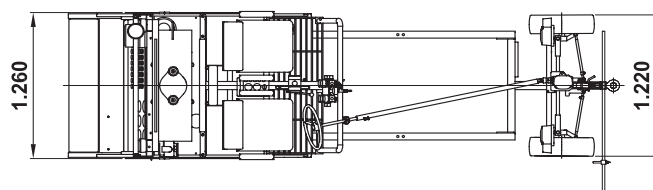
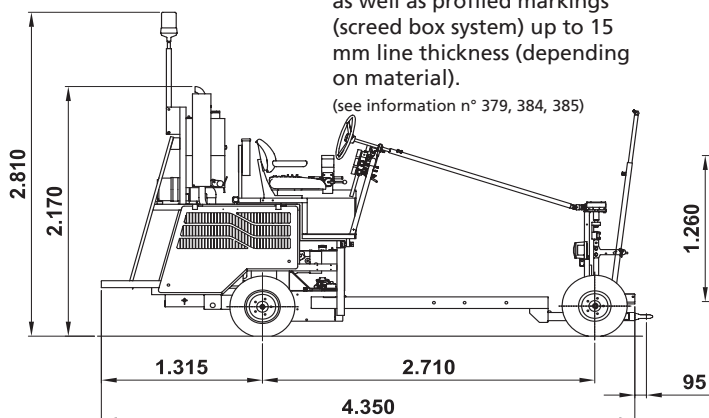
## A Sprayable thermoplastics

Containers  
Sprayable thermoplastics:  
up to 320 l (200- and 300 l pressure containers, 320 l can be operated with or without pressure), heated by LPG or diesel oil.

Gun support for max. two spray guns  
left or right (dependent on material and equipment)

Heat transfer oil circulating pump and heat exchanger for heating of atomiser air for improvement of material sprayability.

Pressurised containers:  
In case of an air pressure drop an emergency valve automatically closes.



(Customised sizes upon request)