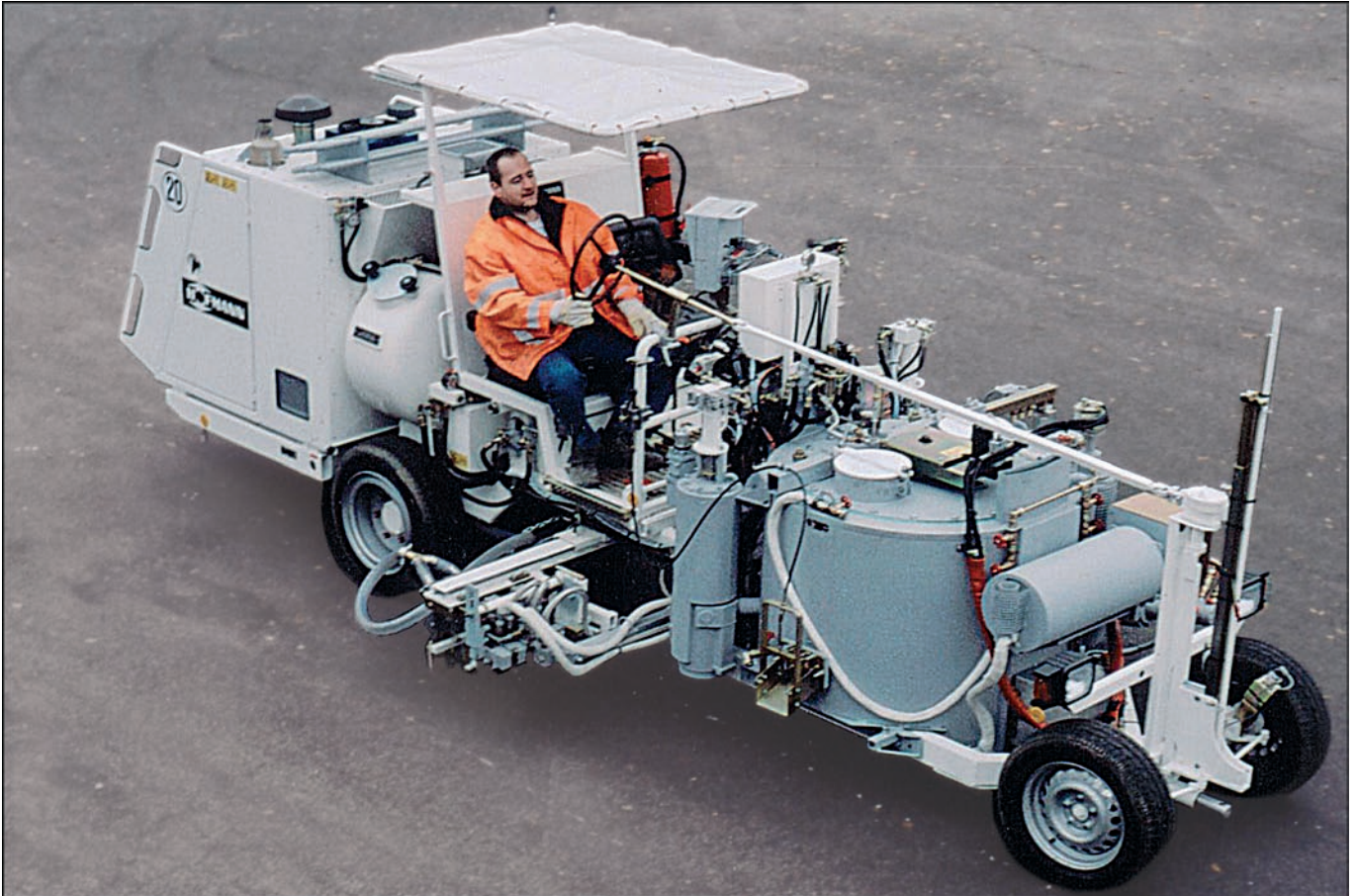
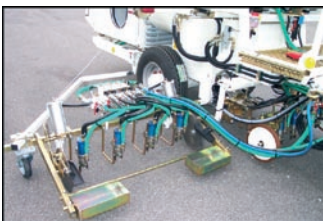




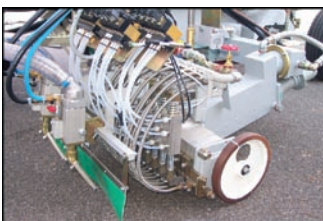
## H33-3 Universal



①



②



③



④

**The most compact HOFMANN universal machine with very high capacities for long and constant marking jobs.**

- Hydraulic drive with option of two or four infinitely variable speed ranges for precise speed adjustment. The hydraulic drive can be disengaged completely to enable you to tow the machine in case of emergency, even for longer distances.
- Arrangement of operating and supervising instruments can be easily modified according to individual requirements. Adjustable, easy extractable spraygun support for center- and edge line markings.
- Vertical exhaust, therefore no inconveniences by exhaust gas at rear seat.
- Individual application units are exchangeable (exchangeable container) with low effort by quick opening device systems and modular design principle.
- Two pressurised glass bead tanks. Filling openings for glass beads at the side of the machine in ideal filling height. Option: Hydraulic agitator for homogenisation of glass beads.
- Turn-up-platform at rear of the machine. Engine compartment easily accessible for service work. High ground clearance also eases service works from below.
- Cockpit with all operating elements laterally adjustable without the need to install guides.
- Excellent panoramic view, also when driving backwards.

① H33-3 combination machine for sprayable thermoplastics (with pump), thermoplastic marker unit incl. extruder 50 cm (10 x 5)

② Cold paint marker unit with 4 paint spray guns for 90 cm airfield marking

③ Thermoplastic marker unit with extruder 40 cm (8 x 5)

④ 2-component cold spray plastic marker with bead dispenser

## Technical Data

4-cylinder 3 300 cm<sup>3</sup>,  
Kubota Turbo diesel engine,  
water-cooled,  
low-emission (TIER 2 standard)

65,0 kW at 2 600 rpm

Fuel tank: 102 l  
in safety zone  
in front of rear axle

Hydraulic oil tank:  
86 l

Air output, alternatively:  
1 080, 2 160 or 3 240 l/min  
at 7 bar;  
compressed-air cooler

Hydraulic drive,  
infinitely variable;  
speed ranges:  
• 2: 0-5,3 / 0-19,5 km/h  
• 4: 0-4,3 / 0-6,5 /  
0-16 / 0-24,5 km/h  
further upon request

Power-take-offs  
for up to 5 hydraulic pumps,  
for several drives like material  
metering pumps, agitators etc.

Pressure glass bead container:  
2 x 150 l or  
2 x 200 l (angular)

Turning circle:  
12,5 m  
(dependent on equipment)

Dimensions (L x W x H mm):  
5 890 x 1 420 x 2 410

Weight, equipped:  
approx. 2 400 - 3 000 kg  
approx. 5 300 - 6 600 lbs

Total admissible weight:  
approx. 6 000 kg  
approx. 13 200 lbs



### **A** Cold paints

**C** Containers  
mounted transversely:  
up to 1 080 l (385- and 540 l  
pressure containers);  
mounted longitudinally:  
up to 385 l (swivel-mounted  
pressure containers).

540 l pressure container is suit-  
able for equipment with univer-  
sal pump (up to 24 l/min pump  
capacity), can be operated also  
unpressurised.

HOFMANN Universal pump suit-  
able for high-pressure spraying  
method (Airless), low-pressure  
spraying method (atomising-  
air-spraying method), for non-  
airless paints with or without  
mixed-in glass beads.

(see information n° 258)

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

Constant line thickness irrespec-  
tive of marking speed as well as  
manual adjustments are selecta-  
ble.

### **A** 2-component cold plastics

**C** Containers  
mounted transversely:  
cold spray plastics: up to 1 080 l  
(385- and 540 l pressure  
containers);  
mounted longitudinally:  
cold plastics: up to 600 l  
(2 x 300 l unpressurised  
containers)

540 l pressure container is suit-  
able for equipment with univer-  
sal pump (up to 24 l/min pump  
capacity), can be operated also  
unpressurised.

The universal pump is divisible  
for dual circuit operation  
(each 12 l/min pump capacity)

Cold spray plastics 1:1 and 98:2  
high-pressure / Airless  
for Airless cold spray plastics;  
low-pressure / atomising-air-  
spraying method;  
non-Airless cold spray plastics  
with or without mixed-in glass  
beads.

Flushing out and collecting of  
reactive mixture also during  
travelling.

Extrud. cold plastics 1:1 - 4:1, 98:2  
Plain and structured (agglom-  
erate) as well as profiled mark-  
ings up to 9 mm line thickness  
(depending on material).  
(see information n° 300 and 305)

### **A** Thermoplastics

**C** Containers  
extrudable thermoplastics:  
up to 500 l  
(400- / 450- / 500 l pressureless  
containers), heated by LPG or  
diesel oil.

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

(see information n° 279)

Closed thermoplastic screed boxes  
heated directly from container,  
with oil circulation pump.

Thermoplastic extruder for single-,  
double- and triple lines of variable  
width, for simultaneous application  
of continuous / interrupted lines as  
well as for scattered-, agglomer-  
ate- and profiled markings. Due to  
its modular design, existing extrud-  
ers can be modified at any time in  
order to execute different plain-  
and profiled markings

(see information n° 254, 279, 323 and 334)

Combinations of extrudable  
thermoplastic (extruder- or screed  
box) and sprayable thermoplastic  
with metering pump (pressureless)  
or pressurised containers possible.

### **A** Sprayable thermoplastics

**C** Containers  
sprayable thermoplastics:  
up to 500 l  
(300 l pressure container, hea-  
ted by LPG; 450 l pressureless  
container, heated by LPG or die-  
sel oil; 500 l pressure or pres-  
sureless container, heated by  
LPG.

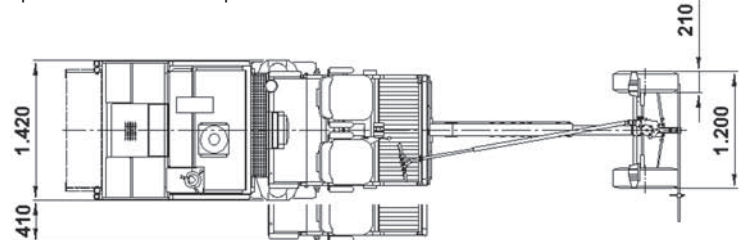
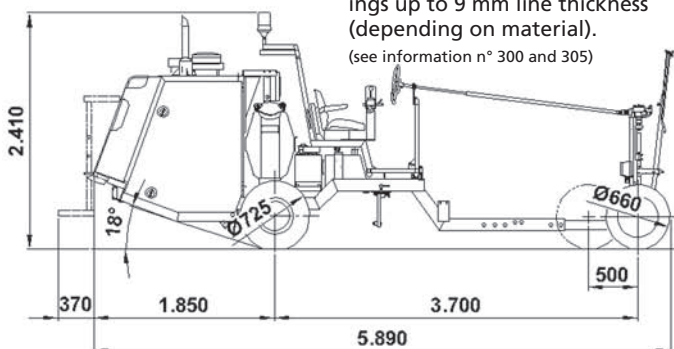
Gun support for several spray  
guns infinitely laterally adjust-  
able between left and right side  
of machine.

Heat transfer oil circulat-  
ing pump and heat exchanger  
for heating of atomising air  
for improvement of material  
sprayability.

Pressurised container: container  
wall detachable for easy clean-  
ing. In case of an air pressure  
drop an emergency valve closes  
automatically.

Combinations of sprayable ther-  
moplastic with metering pump  
(pressureless) or pressurised  
containers and extrudable ther-  
moplastic applied by extruder  
or screed box (pressureless) pos-  
sible.

(see information n° 283)



(Customised sizes upon request)

