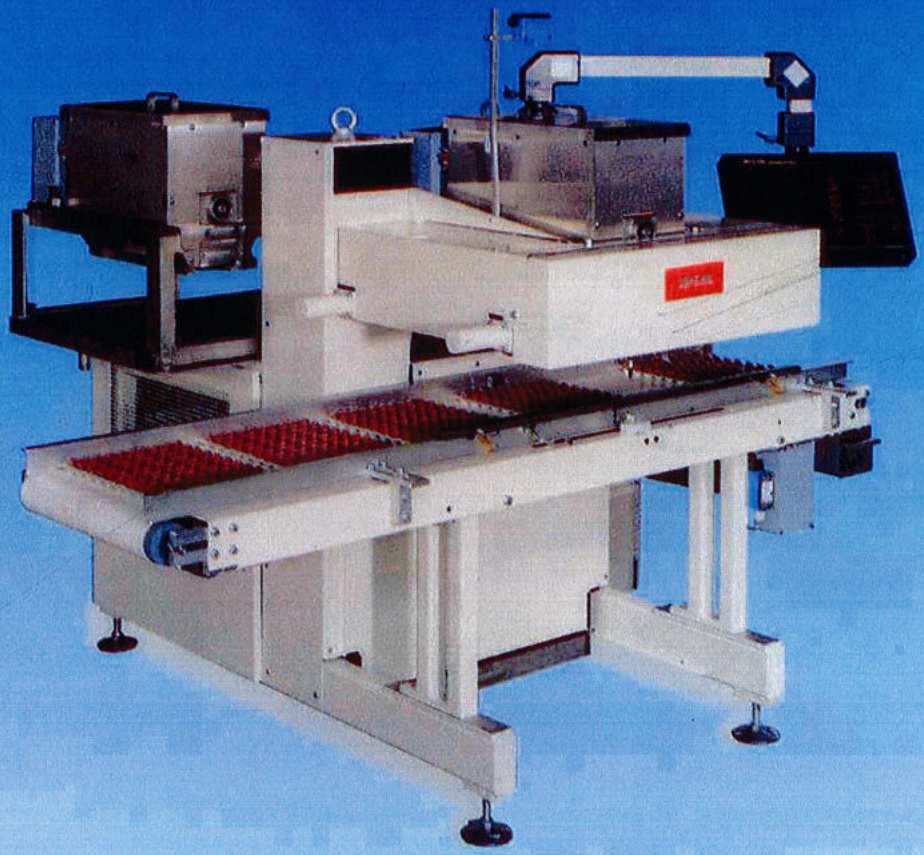
AWEMA

Wäge-, Süsswaren- und Verpackungsmaschinen
Machines de pesage, de confiserie et d'emballage
Weighing, confectionery and packaging machines

Universal Depositing Machine
Type UDM-202



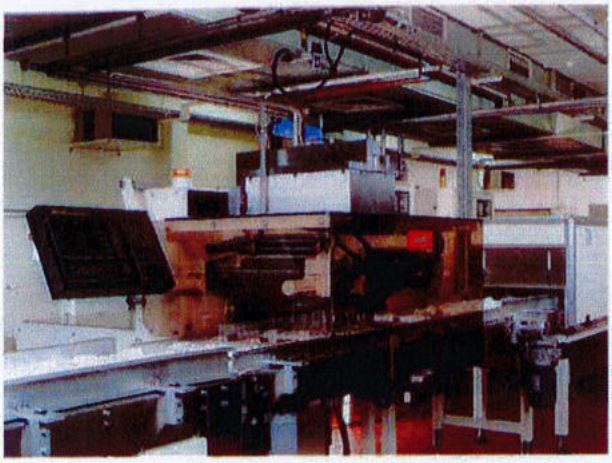
AWEMA AG
Schulstrasse 26
CH-8330 Pfäffikon ZH

Switzerland
Phone +41/01 950 26 90
Fax +41/01 950 28 23

AWEMA

Wäge-, Süsswaren- und Verpackungsmaschinen
Machines de pesage, de confiserie et d'emballage
Weighing, confectionery and packaging machines

Universal Depositing Machine, Type UDM-202



The machine
The UDM-202 is a state of the art, highly flexible multiple piston depositor. By the consistant application of a modular concept, the machine is extremely versatile, user friendly and allows fast product changes. The depositor can either be used independently with its integrated mould conveyor or can be operated as an integral unit of an intermittently operating moulding line. Masses from liquid up to highly viscous consistancy, also with solid ingredients may be processed. From a variety of components customer specific versions may be selected.

Typical applications
- Depositing into moulds, for the manufacture of solid articles, shells and hollow articles
- Filling and sealing of shells and other hollow articles
- Free dressing, with feed drums or pressurizing system
- Ribbon depositing
- Two layer filling of shells or moulds with two different masses, with divided hopper and double sided dosing system
- One-shot depositing, with divided hopper and double sided dosing system

The machine is suitable for all mould formats of up to 425 mm width.

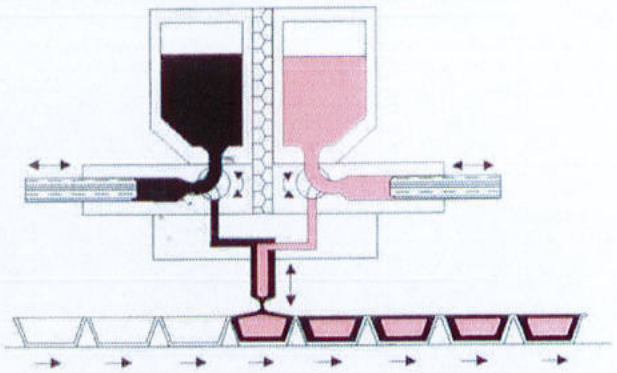
Construction
The UDM-202 is of rigid, welded steel frame construction. For easy relocation to other working positions the machine is mounted on wheels. All machine parts in contact with the mass are made from stainless steel, aluminium or zincfree bronze.
Easy to clean hoppers with horizontal agitators and electronic heaters are supplied as standard. Other hopper types are available for certain applications, e.g. divided hoppers, jacketed hoppers for heating or cooling with an enclosed circulating system.

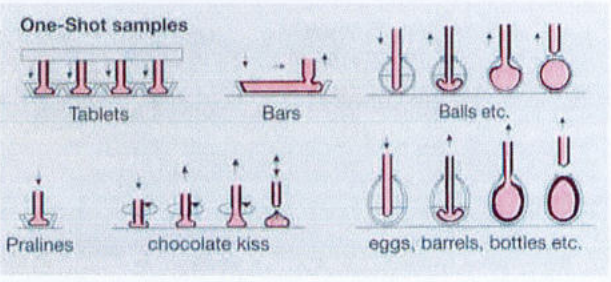
Dosing systems
Depending upon the intended use and the desired output, different, interchangeable dosing systems are used. For lower production rates single row dosing systems with e.g. 9 or 12 pistons are available. For higher production rates multiple row dosing systems with e.g. 24, 48, 72 or 96 pistons are available to fill moulds in one stroke. Double sided dosing systems are available for one-shot depositing or for two layered filling with two different masses.
Interchangeable nozzle plates and the isolation of individual pistons permit the adaption of the dosing system to different mould layouts. Conversion sets to change the piston diameter permit the selection of the ideal dosing range.
As a standard the dosing systems are equipped with an electronic heater.

Control system
The drives are actuated by an advanced microprocessor system. The dosing parameters are entered via video display and keybord in text dialogue with the operator. Decisive in designing the control system was simplicity in its operation, to permit shortest possible set-up and product change-over times even with little trained personnel. The entered, product-specific parameters, e.g. dosing stroke, resuck stroke, lifting stroke, speeds etc., can be memorized.
The speed and stroke of all movements can be freely selected.
Thus the speed of the dosing system lifting device can be optimized for the respective function, e.g. the filling of shells, free dressing, One-shot depositing etc. With the adjustable resuck stroke dripping and tailing can be prevented.

Product change-over
For shortest possible product change-over times the complete dosing system with its hopper can be exchanged with another dosing system within minutes. The dosing system to be replaced is raised by the lifting device to its top position, disengaged and moved into a holding position at the rear of the machine. The replacement dosing system has been preheated in another holding position and is moved to the working position in reverse sequence. Two holding positions with heating connection for complete dosing systems are available. For cleaning purposes the dosing systems can be removed from the holding position whilst the depositor is in operation with another dosing system. For quick replacement or cleaning the nozzle plate and the hopper are connected to the dosing system by quick lock couplings.

AWEMA One-Shot-technology





UDM-201 = single sided piston drives	201/12 12 pistons	201/24 24 pistons	201/36 36 pistons	201/48 48 pistons
piston diameters	6–30 mm	6–20 mm	6–18 mm	6–12 mm
max. dosing per stroke	600 ccm	552 ccm	666 ccm	393 ccm

UDM-202 = double sided piston drives	202/24 24 pistons	202/48 48 pistons	202/72 72 pistons	202/96 96 pistons
piston diameters	6–20 mm	6–20 mm	6–18 mm	6–12 mm
max. dosing per stroke	432 ccm	912 ccm	1080 ccm	681 ccm

AWEMA AG
Schulstrasse 26
CH-8330 Pfäffikon ZH

Switzerland
Phone +41/01 950 26 90
Fax +41/01 950 28 23