



DIEMME

FILTRATION

OVERHEAD BEAM FILTER PRESS GHS

DIEMME

FILTRATION

Solutions and Systems

World wide leader in solid-liquid separation technology
for industrial processes



SALES AGENT'S
STAMP

DIEMME S.p.A. reserves the right to bring any alteration at any time which
is deemed to be necessary in order to improve its production

DIEMME S.p.A.

Via Bedazzo, 19 - 48022 Lugo (RA) - Italia
Tel. +39 0545 20611 - Fax +39 0545 30358

www.diemme-spa.com - filterdiv@diemme-spa.com

GHS

Speed and Versatility



Model	Plate size [mm]	Working pressure [bar]		No. of installed plates		Cake volume [litres]		Filtration area [m²]		Length [mm]		Empty weight [Kg]	
		Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max
1000	1000 x 1000	15		25 ÷ 134		475 ÷ 3644		37 ÷ 212		7200 ÷ 12200		12500 ÷ 22000	
1200	1200 x 1200	15		60 ÷ 155		1600 ÷ 5852		126 ÷ 350		10200 ÷ 14200		17400 ÷ 26400	
1500	1500 x 1500	15		66 ÷ 170		2886 ÷ 10410		223 ÷ 605		11200 ÷ 16200		21750 ÷ 33000	

Design

GHS is an overhead beam filter press, particularly suitable for dewatering of aggressive slurries, allowing customisation to suit particular processes and clients' requirements.

Automation

The filter plates, which are hung from the upper beam, are moved automatically by a rapid carousel shifting device which reduces the filter press opening and closing time to the minimum.



Membrane GHS

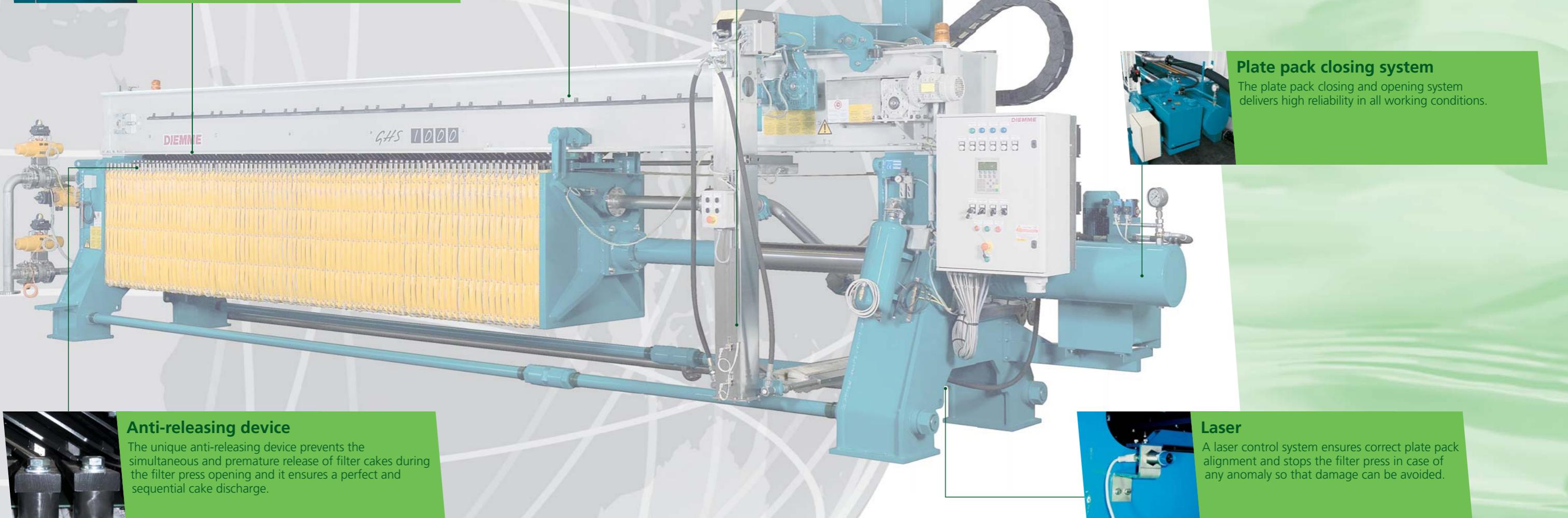
In special applications, when the production process requires cake washing stages with solvents or cake drying stages with compressed air, the use of membrane plates allows these operations to be performed efficiently before discharging the cake.

The details which make the difference



Protection of the shifting device

The plate shifting mechanism, located inside the upper beam, is effectively protected from sludge, dust and corrosive chemicals by a continuous belt of rubber-lined cloth.



Anti-releasing device

The unique anti-releasing device prevents the simultaneous and premature release of filter cakes during the filter press opening and it ensures a perfect and sequential cake discharge.



Mobile hoist

A mobile hoist is available to reduce downtime in the rare event of plate removal.

Carousel type plate shifting

The carousel plate shifting device assures quick and sequential plate movement by means of an automatic transport system controlled by an inverter.



Automatic cloth washing system

Thorough cloth cleaning using a robotic device ensures that optimum filtration rates are maintained.

Plate pack closing system

The plate pack closing and opening system delivers high reliability in all working conditions.

Maintenance platform

Sliding platform, positioned under the plate pack for inspection and replacement of cloths.



GHS

DIEMME Filtration offers customised features for the complete GHS range



GHS P6/68

The photo on the left shows a Filter Press mod. GHS used in the platinum refining process for polishing platinum salts dissolved in hydrochloric acid.



GHS P3/25 MEM

The photo on the left shows a Filter Press model GHS configured for dewatering lead paste reclaimed from discarded batteries.



GHS P4/54 MEM

The Photo on the left shows a Membrane Filter Press mod. GHS used for dewatering sludge produced by fume treatment in a steel plant.