



Verdellino, May 2020

## NEW CF280 AGRATI AEE

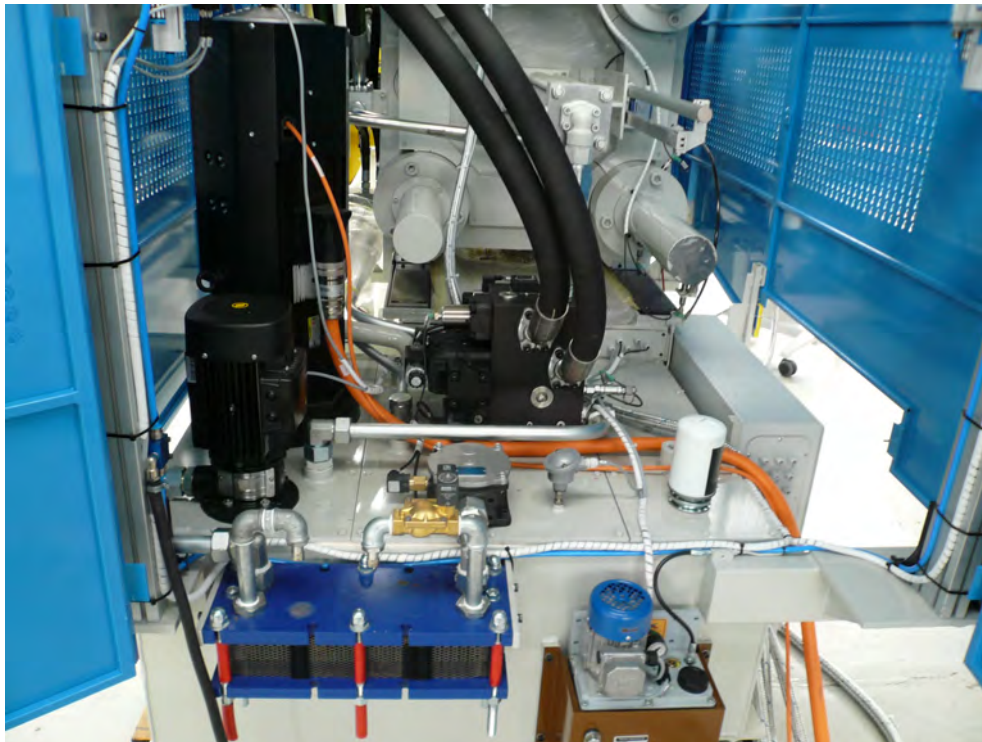
Designed in 2018 and presented last June at the GIFA2019 fair in Dusseldorf, the new **CF280** cold chamber machine immediately attracted customer attention.

This machine is the first of a new generation of cold chamber presses in the AGRATI range.

It contains all the technological developments introduced in recent years on the AGRATI hot chamber range combined with the historical robustness that has always characterized our machines.

Let us summarize some of the main features:

- compact stainless steel tank with hydraulic fluid cooling and filtering group, synchronous motor unit and high energy saving gear pump; the measured saving is 80% less than a traditional machine with an asynchronous motor. Here is the representative image:



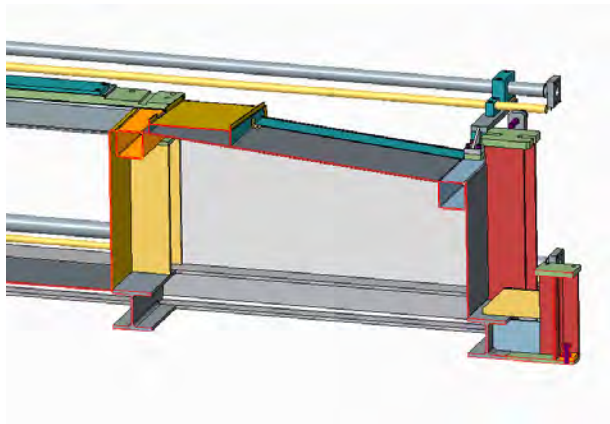


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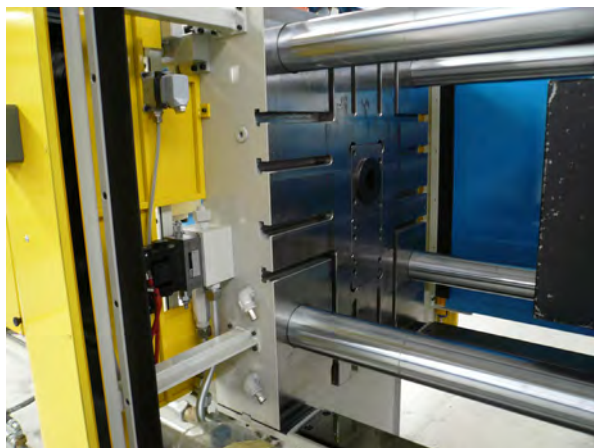
Dipartimenti Tecnici  
tecnico@agrati.it

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- Contrary to competitor machines, no tank is present under the injection unit to recover the oil from the injection exhaust. This thanks to the EcoDrive2 injection technology:



- Machine platens made by forged steel



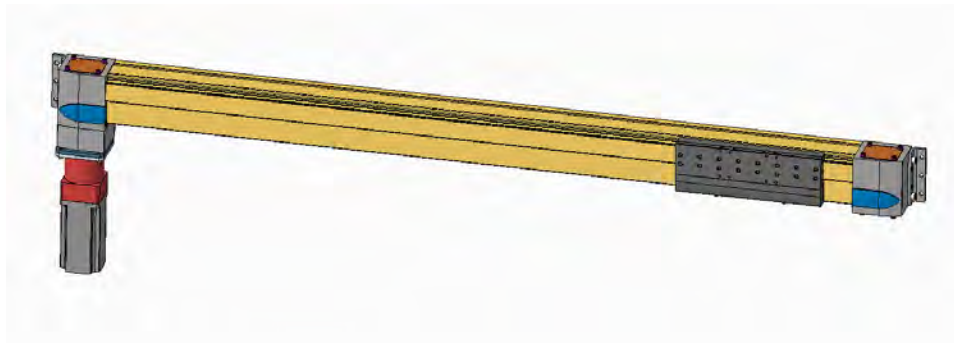


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- automatic gates with highly dynamic self-supporting electric axis (maximum travel speed 1.6 m / s), with speed settable directly from the operator interface



- EcoDrive2 injection unit with closed loop speed and pressure control

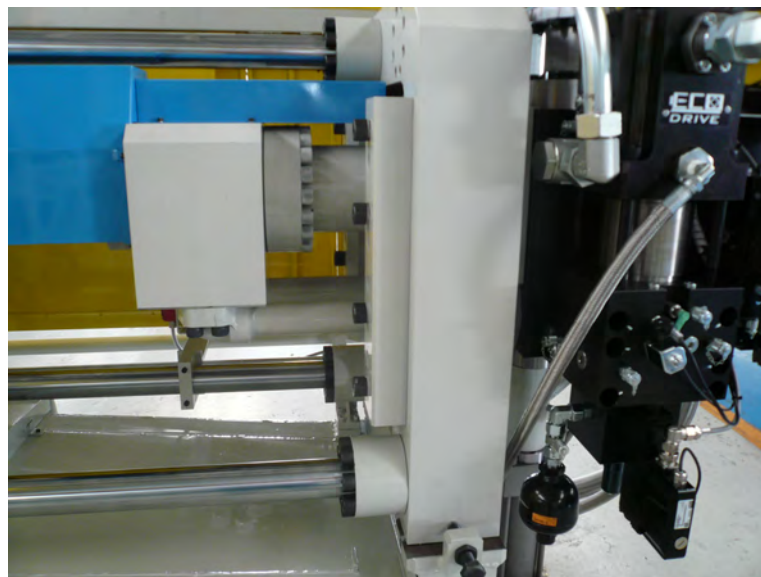
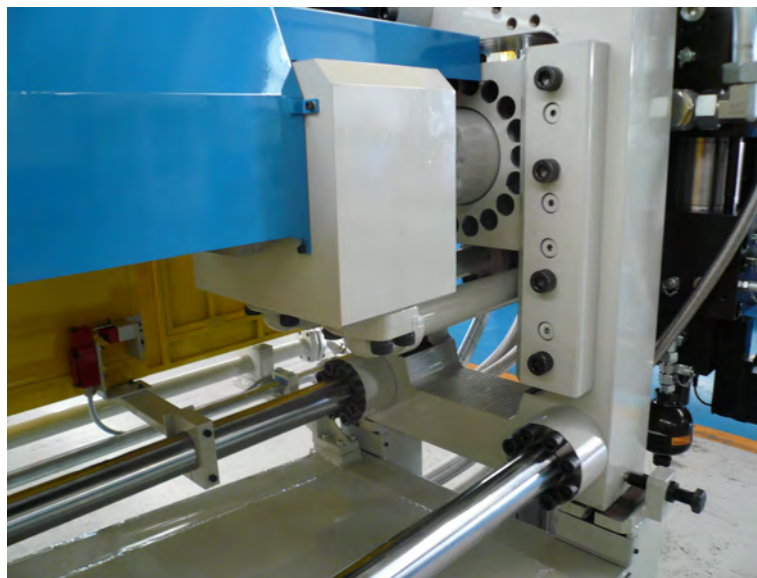






Aspects and advantages of the new EcoDrive2 injection unit:

- a) no mushroom check between the multiplier cylinder and the injection cylinder: the intervention times of the multiplier are thus reduced and the pressure drops between the accumulator and the injection cylinder are less;
- b) single accumulator to manage both the injection cylinder and the multiplier cylinder;
- c) multiplier cylinder of small dimensions and very close to the injection cylinder: there is therefore a reduction of the multiplication times and less pressure drops in the injection chamber;
- d) proportional valve for the management of the injection cylinder directly mounted in line with the accumulator and monitored safely by a position sensor;
- e) absence of valves on the discharge head of the injection cylinder: maintenance of the unit itself is easier and the overall dimensions are reduced





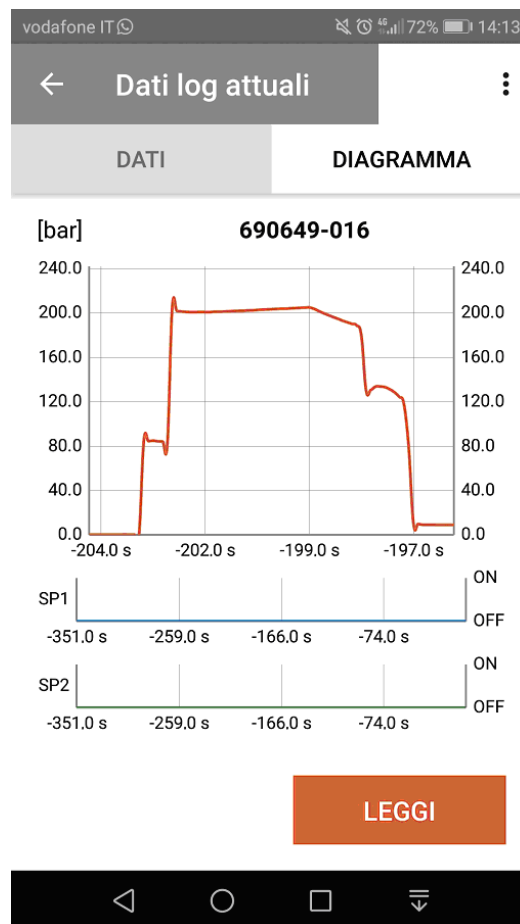
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f) thanks to the characteristics listed above, injection cylinder speeds in dry cycle are in excess of 10 m / s with multiplier intervention times of less than 15 ms!

- pressure diagnostics from smartphone





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- troubleshooting and maintenance by tablets with augmented reality through cards and customized logos



- possibility to view the electrical and hydraulic diagram from the operator interface



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- new design of the machine



For all the technical features, you can visit the website in the cold chamber machines section.

The Technical and Commercial offices are available for any request or further demands.

MECHANICAL TECHNICAL OFFICE

tecnico@agrati.it