

DR. FRITSCH

SONDERMASCHINEN

Marmomacc 2014 – Dr. Fritsch presents the new cold press CPG 100

The gravimetric cold pressing is still very common in the diamond tool industry. The short set-up times and the possibility to press both, granulated and loose powder, makes it economically efficient, especially with the production of small-series production.

Dr. Fritsch has launched the first fully automated gravimetric cold press KP 20 already in 1974. In the course of the last four decades several successors were produced, such as the KP 30 and the KP 35.

Right on time for the 40th anniversary of the KP 20 Dr. Fritsch has developed a brand new gravimetric cold press – the CPG 100. This machine combines tried-and-trusted features with highly innovative technology.



Today, more than 500 Dr. Fritsch cold presses are run all over the world. Especially the KP 35 is very popular, due to its easy operation and long-term reliability. With around 20 % it has a significant share of all delivered Dr. Fritsch cold presses.

Before we started the project CPG 100 we asked some renowned diamond tool manufacturers on their expectations and desires on a modern gravimetric cold press.

Based on these results and also on our experiences with the previous machine models Dr. Fritsch started to develop a new gravimetric cold press.

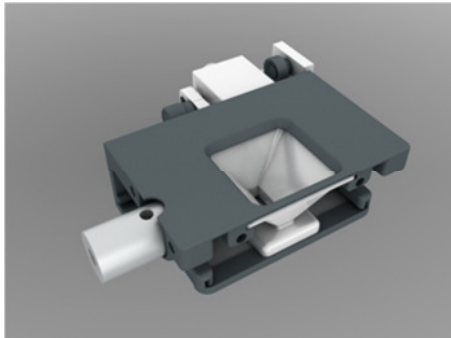
Publication in the magazine DIHW 3/2014

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With a maximum pressing capacity of 230 kN, a weight tolerance of ± 0.05 g per weighing and a weight range of 1-50 g the CPG 100 seems to be very similar to the KP 35 and the other previous models. So what makes this machine special?

Unique features of the CPG 100 are the dynamically adjustable feed axis of the powder funnels and the "Easy-Fill System".



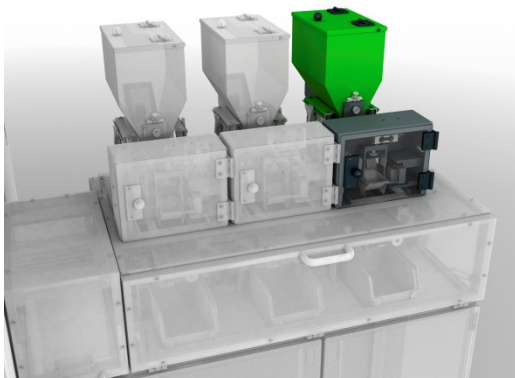
Easy-Fill-System

They ensure a uniform distribution of the powder in the die. This in turn provides a homogenous compaction of the powder and consequently only slight density fluctuations in the green compacts. This is a basic prerequisite (requirement) to produce a high quality tool, which cuts, drills and grinds evenly.

Another outstanding feature, compared to its predecessors, is the tool-free replacement of all powder carrying parts. Due to a new clamping system both, die and punches can be replaced without using tools. This of course reduces the set-up time considerably.

The KP 30 and KP 35 dies can be used for the CPG 100 with the aid of an adapter.

Optional the CPG 100 can be equipped with a third weighing and dosing unit and a third hopper. This allows the production of sandwich segments with up to three different layers and increases productivity.



*Option:
Third Weighing Unit*

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The CPG 100 provides:

- Consistently high quality of the pressed green compacts
- Short changeover times
- Higher productivity compared to the KP 35
- The production of segments with up to three different powder bonds

In short: A machine you can absolutely rely on!

Convince yourself of the benefits of the CPG 100.

It will be exhibited at the Marmomacc in Verona, from 24th to 27th September.
Please visit us at our booth E1-F1 in hall 5.

We are very much looking forward to meeting you!