

The employees of Klebl GmbH, a precasting plant in Neumarkt (South Germany), experienced how easy the machine-jointing of precast concrete parts can be. Thanks to the use of a joint filler that was perfectly suitable for machine-application and the optimal PFT equipment, everything went off according to plan.



## Machine-Jointing of Precast Concrete Parts with the PFT MONOJET 3.35

To be able to work quickly and neatly and complete their jobs on schedule, builders more and more often use large wall elements in the form of precast reinforced concrete parts, supplied to the job site ready for assembly. The only work step that remains after the installation of such parts is joint filling.

This method was also used for the construction of a supermarket in Neumarkt near Nuremberg. Klebl GmbH, a local manufacturer of precast concrete parts, was



The PFT MONOJET 3.35 in "door frame grouting design" is equipped with a PFT TWISTER D 4 3 pump unit and a 5.5 kW gear motor, ensuring a continuous material flow of 12 l/min.

charged with the production and assembly of the elements and the filling of the joints. The joint filler used was Euro Grout, made by P&T Technische Mörtel GmbH & Co. KG, Neuss.

Euro Grout is a joint filling system designed to provide a non-positive connection between prefabricated parts. The product is supplied in bags, ready for use, and just has to be mixed with water. This simple, machine-applied material is an economical alternative to conventional methods, such as shuttering and filling with fresh concrete.

### The Perfect PFT Machine System

The joint filler was applied with a PFT MONOJET 3.35 mixing pump. This handy PFT machine is very powerful and continuously pumps 12 l/min. With the right accessory, a PFT ZARGOMAT gun, the material is automatically supplied to the place of use by remote control.

The built-in ball valve prevents any additional discharge of material from the gun after switching the machine off by remote control. In this way, the PFT ZARGOMAT gun allows the user to work neatly without any material losses. The continuous pumping pressure of the PFT MONOJET 3.35 presses the filler deep into the joint, ensuring a non-positive connection between the concrete elements.

Mr. Gradl, the foreman of Klebl GmbH at the job site, greatly appreciated the fact that the mechanical jointing method saved a lot of time, as compared to manual work.

Thanks to the trouble-free use of PFT equipment, the supermarket was completed on schedule. ■

Technical Data	PFT MONOJET 3.35
Conveying capacity:*	12 l/min
Conveying pressure:	max. 30 bar
Conveying distance:*	up to 50 m
Drive:	5.5 kW
Speed:	400 rpm
Power supply:	400 V / three phases
Water connection:	3/4"
Dimensions L/W/H:	900 / 720 / 1,370 mm
Total weight:	158 kg

\* Standard values, depending on: mortar quality, composition and consistency; pump type and condition; conveying hose diameter and conveying height. Ultimately, the respective standard values given by the mortar manufacturer will be decisive.