

Foundry Education with SEIATSU Technology

The Daimler AG is educating their apprentices in the foundry at Mannheim at a moulding machine supplied by Heinrich Wagner Sinto (HWS).

The moulding machine that was commissioned in May 2016 features a flask inside dimension of 500 x 400 mm with a flask height of 160/160 mm. Depending on the degree of manual activities, three complete moulds per hour can be manufactured. The moulding technology used is to a great extent equivalent to the current foundry standard.



Picture: The moulding machine type “EFM-S“ is located in direct vicinity to the “big brothers“

Trendsetting Prospects in Foundry Education

This moulding machine operates as well with the two-step airflow squeeze process (SEIATSU) which permits a transfer of the achieved results directly to the two large-sized HWS moulding plants.

Commissioning of the new moulding machine type EFM-S provides to Daimler AG all new prospects in the field of education. Thus, production-oriented education projects can be realized holistically using the SEIATSU technology.

The new moulding machine prepares the apprentices of various trades practically for their future work routine. There is a variety of possibilities for education, ranging from pattern technology over moulding technology and metallurgy to systems engineering.

Moreover, the new moulding machine provides the possibility of an innovative orientation of education.

Good Experience with HWS Moulding Technology

It is now possible, for all stages of apprenticeship as well as student trainees, to realize sophisticated projects up to the independent development of product improvements or new independent components. The results can afterwards find their direct way into production which increases the motivation of the trainees.

The SEIATSU technology has been used in the Mannheim facility since the years 2006 and 2007. In this respect, not only the compaction process was the decisive factor, but also the expertise in replacing moulding units at moulding plants from other suppliers.

The two moulding plants have the flask sizes 1550 x 1100 x 400+50/400 mm and 1550 x 1100 x 450/450 mm with a capacity of 90 and 60 moulds per hour.

HWS would like to thank Daimler AG for the mutual realization of this project and is looking forward to the future cooperation with the apprentices educated with the SEIATSU technology.



The facility at Mannheim produces diesel engines for utility vehicles and industrial diesel engines