

Pedax A/S, 3490 Kvistgaard, Denmark

# Concrete reinforcing steel cutting system without personnel costs

The well-proven Combiline from Pedax was the starting point for the development of a new fully automated bar cutting system that works without an operator. This impressive system was commissioned in a large Belgian concrete and precast production facility and had to be planned and assembled - taking the highly restricted space available into account - to fit perfectly there.

Pedax is specialised in individual solutions and custom-made manufacturing systems.

The complete machine and plant programme plus, of course, the company's great expertise form the basis for fulfilling all customers' wishes.



No employees are needed for operating the concrete reinforcing steel cutting system from Pedax



Combiline measuring and in-feed device for precise cut lengths combined with the Autender counter and insertion system, plus pallet system

For the fully automated cutting system in question, a Pedax Combiline was equipped with an automatic counter and insertion system – the Autender S. Also included is a computer-controlled bar storage unit, from which the reinforcing steel is removed automatically to be cut. The rebar is inserted into the Combiline cutting device and the cutting process keeps running continuously. The cut bars are positioned by means of stop systems and ejected either to the right or left hand side. The items then reach predetermined zones in a pallet via inclined roller tables with hook systems. At this stage, they are sorted and then collected to be conducted to further processing points. So as not to interrupt the automated process, bar remains are removed automatically from the cutting and working area and disposed of

via a flexible chute system into the containers provided. There is a new efficient device for collecting short lengths and storing them already sorted in boxes. Short cut lengths otherwise often interfere with or interrupt the process, as they require manual intervention. With the new system, short lengths are sorted via a box into a container system, whose position can be altered. This means that, even in this area, cutting and storage can now be carried out without manual intervention. Production, including an automated collection system, can be carried on to a great extent without employees using this plant. Pedax Combiline Systems, installed as stationary plant and working with a transverse, travelling storage unit, offer immense capabilities with great flexibility. ■



View of the pallet storage unit and the automatic collector for short cut lengths

## FURTHER INFORMATION



Pedax A/S  
 Hejreskovvej 8  
 3490 Kvistgaard, Denmark  
 T +45 4912 7912  
 F +45 4912 7911  
[sales@pedax.com](mailto:sales@pedax.com)  
[www.pedax.com](http://www.pedax.com)