

Dynamic weighing

Envelope weighing with the **PW20i**



HBM PW20i single-point load cell

Security carries weight!

You all know them. Plastic cards... whether payback, credit card, customer card or health card. Virtually everyone has these cards. Usually, they are sent to you through the post.



Mühlbauer AG is a globally active, independent consultant and manufacturer of turnkey product solutions for smart cards, smart labels, semiconductor backend and vision systems.

Personalized letters are created, cards attached, letters folded and put in an envelope, fully automatically. For additional security, the finished letter is checked for completeness and valid content on a checkweigher.

Mühlbauer makes use of existing know-how for handling and transporting the cards/letters and relies on HBM's experience with dynamic weighing systems.

The PW20i3 / 10 kg digital load cell is used here.

The mechanics of this single-point load cell are optimized for dynamic applications. The stiff measuring body is resistant to torsion and has a high natural frequency, thus ensuring dynamic and precise weighing results.

An integrated overload stop in the tensile and compressive directions prevents the inadvertent overloading of the measuring body that always occurs with low maximum capacities, as well as greatly increasing plant safety.

The integrated and powerful electronics with all the requisite weighing functions, dynamic filters and special checkweigher routines, shortens development times enormously. A CANOpen bus makes it easier to link to machine control.

The weighing system can check the machine output of approx. 4,000 letters/h without difficulty.

■ Hermann Merz, HBM

more...
www.hbm.com/weighing



Fig. 1: HBM record system



Fig. 2:
The CARDMAIL 2000 card mailing system,
Mühlbauer AG, Germany
www.muehlbauer.de