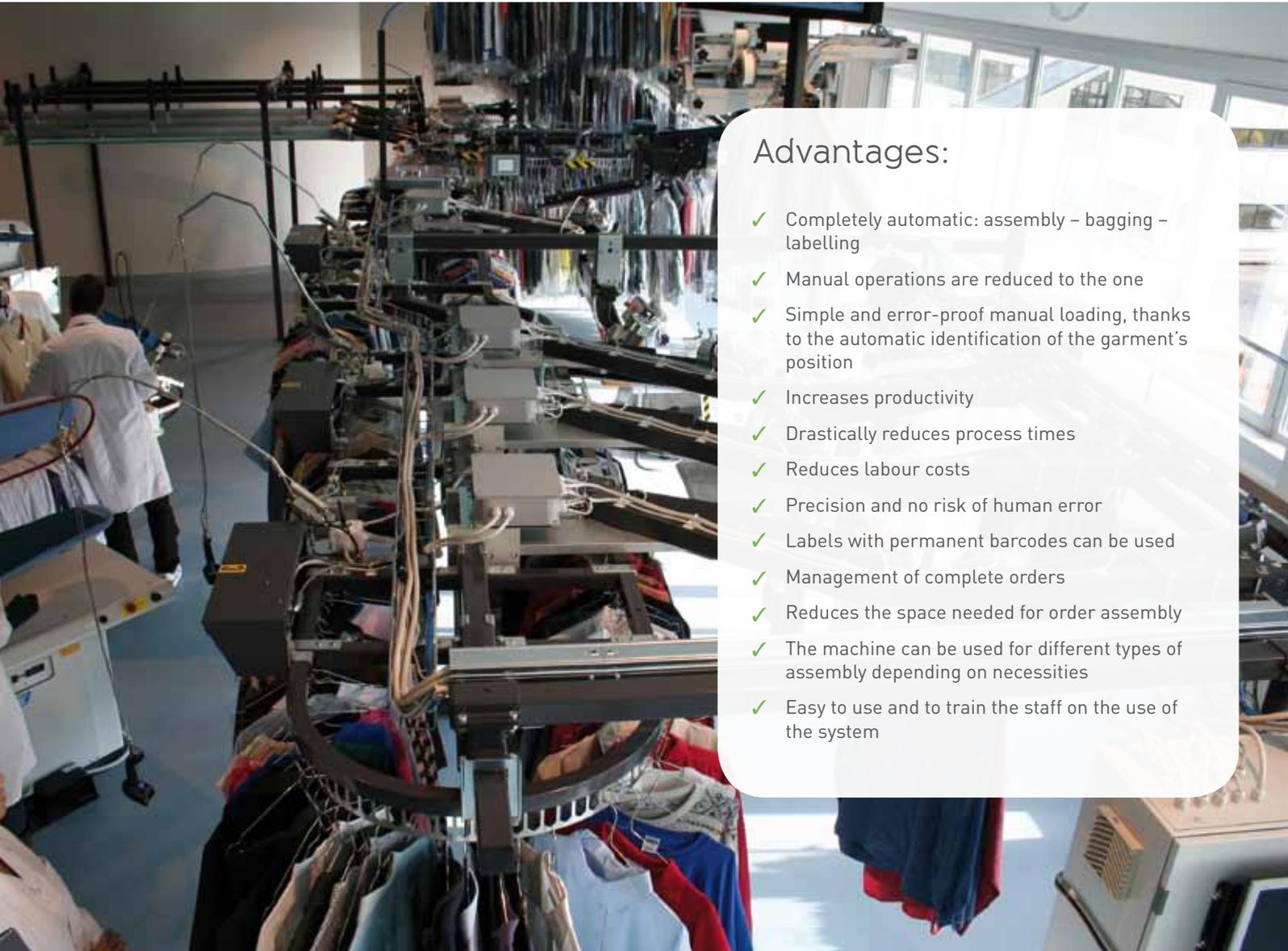


ONE TOUCH ASSEMBLY

Automatic assembly system that only requires “one touch”



Advantages:

- ✓ Completely automatic: assembly – bagging – labelling
- ✓ Manual operations are reduced to the one
- ✓ Simple and error-proof manual loading, thanks to the automatic identification of the garment's position
- ✓ Increases productivity
- ✓ Drastically reduces process times
- ✓ Reduces labour costs
- ✓ Precision and no risk of human error
- ✓ Labels with permanent barcodes can be used
- ✓ Management of complete orders
- ✓ Reduces the space needed for order assembly
- ✓ The machine can be used for different types of assembly depending on necessities
- ✓ Easy to use and to train the staff on the use of the system

ONE TOUCH ASSEMBLY

METALPROGETTI



This is an integrated system including automatic assembly, bagging and labelling. All these operations occur automatically, which means the operative does nothing else than load the garments onto the system. It increases productivity, reduces working times and labour costs.

The name of the **One Touch Assembly** system comes from its greatest advantage: the operative only touches the garment once at loading; then everything occurs automatically – assembly, bagging, labelling – until the order is ready for dispatch. These assembly systems have a variety of options, but basically their function is to assemble and bag orders in one process.

The automatic **One Touch Assembly** system consists in a conveyor with a slotted belt. The software marries every single garment to a slot on the conveyor, which means the orders are then assembled garment by garment.



How does the **One Touch Assembly** work? The garments are loaded onto the system manually. To do this, considering that all garments are identified by a barcode, the operative scans the garment barcode with a barcode scanner. For instance, permanent polyamide barcodes can be used: they only take 10 seconds to fix to the garments and they resist all temperatures. The barcode contains all sorts of information about the

garment: how many times it has been cleaned in a year, how old it is, what conditions it was in when it was cleaned for the first time. So this is not only a way of fostering customer loyalty, it is also very useful in the case of disputes.

After the barcode scanning, the conveyor begins to rotate. The garment can be randomly placed onto any empty slot that passes the operative. Thanks to the exclusive Metalprogetti patent, the system performs a “dynamic loading” with no errors possible, as it marries every garment loaded onto the conveyor with the slot it is loaded in, in order to then assemble the orders. The operative needn't look for a particular slot, he can just hang the hanger in one of the empty slots. It's the system that will find the garment, wherever it is hanging. The operative continues this process and loads the conveyor with other garments.

The system can have multiple employees loading the conveyor simultaneously, even while the system is unloading completed orders.

This is the main advantage of this system: it automatically unloads the completed orders while the loading process is taking place, which eliminates downtimes.

When an order is ready, the **One Touch Assembly** system automatically extracts all the garments belonging to that order

and conveys them together to the automatic bagger, even if the system is unattended.

A “Premium” unloading arm can also be added, which will be used for special garments such as folded shirts, unhemmed trousers, jackets that require tissue-paper on the inside, or tailor-made suits that have to be put into a special bag

This system is designed for plants handling at least 800-1000 garments a day.

Production numbers for this system range from 800 to 4000 garments, considering one operative working 8 hours. The **One Touch Assembly** system can have multiple people loading simultaneously and multiple unloading arms: it can produce up to 7500 garments in one 8-hour work shift!

