



OBSA MTC INDUSTRIE SRL

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BARREL TAKE UP FAMILY MODEL INF425 AND INF650

This range of machines is the best alternative to the classical reel take-up products when using round, octagonal or squared cardboard barrels.

The main advantage of using such kind of system is that, when work in process is needed between two operations of a cable production, the cost of reels is becoming an issue compared to barrels.

Furthermore, for certain types of cable, no spark faults are allowed in the final products.

With an automatic barrel packer, the sparks can be eliminated automatically and only good products will be used without having to check the cable a second time.

Finally, for automotive harnesses, this solution allows for a much longer cable length at disposal because when operating a barrel change-over, we do not cut the cable and therefore we can use two barrels capacity for the next operation without any soldering operation.

In summary, this system has the following main advantages:

- cost effective in terms of barrel costs
- can sort bad quality cable
- no automatic wire cut between two barrels
- machine very cost effective due to integrated capstan in the barrel packer.

To conclude, this type of barrel take-up is the ideal solution for the packaging of wire from 0.25 to 4sqmm

The machine, manufactured in welded steel, is particularly strong in terms of heavy operations and high demand utilization.

Equipped with a horizontal capstan driven with a motor, it can be integrated at the end of an extrusion line without any difficulties.

Along with the capstan, we have a length counter that provides a precise measurement of the cable already in the barrel.

During barrel change, which is done automatically, a small accumulator located in the capstan head retains the wire produced.

Thanks to a proximity switch, once the new empty barrel is detected, the dancer accumulator opens and allows the cable to fall into it.

Additional features such as elliptic wire distribution system guarantees the smooth and optimal disposition of the cable in the barrel and therefore increase its storage capacity.

Furthermore, a vibrating system activated pneumatically shakes the barrel during production so that the cable will be better compacted in the barrel.

Thanks to this system, we are also able to increase the quantity of cable a barrel can contain.

The whole machine is driven by a PLC and with an alphanumeric panel for data acquisition.

This facilitates the operator's work and permits a precise control of each operation.

Thanks to the flexibility and the simplicity of the machine as a whole, it can be adapted to any kind of operation without additional work.



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| TECHNICAL DETAILS | INF425 | INF650 |
|-------------------------------|--------|--------|
| Diameter external barrel (mm) | 560 | 800 |
| Diameter internal barrel (mm) | 300 | 500 |
| Barrel height (mm) | 800 | 1000 |
| Max. cable diameter (mm) | 6 | 8 |
| Min. cable diameter (mm) | 2 | 2 |
| Max. linear speed (m/min) | 0-700 | 0-500 |
| Length (mm) | 5300 | 6500 |
| Width (mm) | 1200 | 1400 |
| Height (mm) | 2620 | 2850 |