Adhesive tape processing and harness assembly

Taping and bundling machines for the automotive, household and aerospace industry
is the market leader of machines for adhesive tape processing and harness assembly world-wide.

In the course of our 30-year experience with the process of taping, bundling and insulating we have continuously perfected these processing techniques.

High quality and productivity with minimal material consumption, lowering your production costs. The reliable safe process with parameters freely eligible creates protections fulfilling many different requirements only using a few different materials and width of tape. This simplifies the logistics and reduces costs.

Advantages of this technology:

→ The processing is independent of the diameter and length.

→ The protection is produced and placed in one operation directly at the product, pre-fabrication and rework is not applicable.

→ The smallest possible designed space is formed.
Ondal offers solutions for every process in different degree of automation. This overview serves a first orientation. Our experienced engineers would like to advise you in your individual application and to work out the optimal and most effective solution.

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HandTaper, the smallest technical solution for perfect taping, speed and overlapping is always kept under control!

This machine is able to process adhesive and non adhesive tape, felt and foam tape as well as two tapes applied in one process as a sandwich or EMC protection.

OndaTaper, the smallest technical solution for perfect taping, speed and overlapping is always kept under control!

This machine is able to process adhesive and non adhesive tape, felt and foam tape as well as two tapes applied in one process as a sandwich or EMC protection.

KabelMaster, for use in multiple-shift operation.

This durable machine with top performance helps your large-scale manufacturing to get the highest productivity. Optimal ergonomics by the vertically adjustable tripod and the open winding head with an automatic activation of the safeguard make it possible for the operator to concentrate on the essential.

- With That, Quality Doesn't Remain A Hazard -

- Highly Flexible And Absolutely Sure -

- Taping Fast, Certain And With Constant Optimal Quality -
LinearLiner, the machine with top-efficiency in program-controlled processes. Simple handling and high taping speed (m/minute) are designed for use in large-scale manufacturing. Within a few minutes you can make a new program directly at the machine. Of course it can also be saved there and replaces the complete lay-up board. This machine is able to process adhesive and non-adhesive tape, felt and foam tape as well as two tapes applied in one process as a sandwich or EMC protection.

OndaLiner, the machine with unlimited possibilities. Whether single harnesses, small or big series, the various functions of the machine make harness assembly a safe and highly efficient process. An unlimited number of programs can be saved on the hard disk of the PC control, these relate to hundreds of lay-up boards which now do not have to be built or stored.

LinearLiner, a program-controlled harness assembly with the precision and flexibility of a digitally programmed machine tool. This is the ideal partner for the production of less complex harnesses, such as door harnesses. The positioning control lengthways and winding axis gives the harness its structure accurately and guarantees absolute repeat accuracy. All programs are saved directly in the PC.

C16 - PRODUCES HARNESS, THESE ARE LIKE IDENTICAL TWINS -

C16, the machine with top-efficiency in program-controlled processes. Simple handling and high taping speed (m/minute) are designed for use in large-scale manufacturing. Within a few minutes you can make a new program directly at the machine. Of course it can also be saved there and replaces the complete lay-up board. This machine is able to process adhesive and non-adhesive tape, felt and foam tape as well as two tapes applied in one process as a sandwich or EMC protection.

- ALWAYS A STEP FASTER -

OndaLiner

- THE WHOLE INTELLIGENCE OF HARNESS ASSEMBLY ON A JOB OF 5M² OF AREA -
**OndaSpot**, the versatile and robust machine for bundling, marking, fixing and insulating. With this device you will find a solution for every request. The tape width and the bundle diameter determine the equipment model, which we assemble according to your requirements. The device works in simple manual operation just as reliably as in the fully automatic mode.

- **AN INEXPENSIVE AUTOMATIC HAND MACHINE ALSO FOR STATIONARY APPLICATIONS** -

**Bundler**, the versatile and robust machine for bundling, marking, fixing and insulating. With this device you will find a solution for every request. The tape width and the bundle diameter determine the equipment model, which we assemble according to your requirements. The device works in simple manual operation just as reliably as in the fully automatic mode.

- **HIGHEST EFFICIENCY** -

**ComfortBundler**, insulation of splices, bundling or marking, these are different applications solved with the same efficient method. The clamping and fixing of the products provides optimal ergonomics and even quality of the grouping: tight-fittingly, great adhesive contact surfaces, least possible material consumption at an adjustable number of turns.

- **SURE, ERGONOMIC, EFFICIENT BUNDLING AND INSULATING** -
ClipBundler, a particularly sophisticated but also extremely efficient process for fastening clips. Fixing both sides simultaneously with up to 3 turns within 3 seconds.

- RAPID, SURE, RELIABLE FIXING AND MARKING -

OndaQuick, with the special functional principle the device bundles and insulates primarily little diameter areas. The wires are inserted without effort. After this the fully automatic process starts with a perfect result.

- THE PERFECT INSULATION WITHIN 3 SECONDS -

FlatBundler, new solutions require new methods. Flat circuits and replace gradually conventional connections. With the flat cable bundler single flat circuits, FPC and FLC, are assembled for installation. Adhesive tape is needed as additional mechanical or electrical protection, for fixing of convolutions and branching off or for grouping flat circuits going parallel.

- A VERSATILE MACHINE FOR ALL PRE-ASSEMBLIES OF FLAT CIRCUITS -
**Sandwich and EMC tape protection**

Two materials with different qualities are processed at the same time in one process.
In the combination new qualities arise, e.g.:
- noise absorbing (soft) and wear resistant
- electrically conducting with outside insulation (EMC-protection)

**Cavity taping**

With the help of the Spacer a tube-like protection is formed. During the taping process the cross-section of the harness is extended by the Spacer. After pulling out the spacer, the wires can spread out in the clearance. The profile remains ductile and the harness flexible. The Spacer can be reused. Thereby additional material cost for an inner air tube inserted in the harness is saved.

**OndaSpacer**

**THIS NEW TECHNOLOGIES CAN REPLACE OTHER PROTECTION SYSTEMS. A COMPLETELY TAPED HARNESS IS THE BEST CONDITION FOR THE EFFICIENT USE OF MACHINES WITH HIGH PRODUCTIVITY AND MINIMAL COST OF MATERIALS.**

**Where to find us:**

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