Efficient and precise processing of tapes
- marking and fixing with tape
- wire harness taping and bundling

Manufacturer of tape processing machines and devices; for the automotive, household and aerospace industry

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Ondal is the market leader of machines for adhesive and non adhesive tape processing world-wide.

In the course of our 35-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 creates protections fulfilling many different requirements only using a few different materials and tape width. 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, prefabrication and rework is not applicable.
- The smallest possible designed space is formed.
**Overview**
Ondal offers solutions for every process in different degrees of automation. This overview serves as 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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**OndalPro**

**Application:** OndalPro is the newest program-controlled taping machine for laying and taping of complex wiring harnesses without using a lay-up board. This machine tapes highly accurate and thus ensures the production of absolutely identical harnesses.

**Characteristics:**
- Open winding head for easy handling of the branches
- Unlimited number of program steps and storage
- Independent 2 axes control for feeding and winding
- 700mm freely-positionable linear axis with universal clamp fixture
- Precise length measurement without length limit
- Teach in programming via colour touch panel
- Max. winding speed 1200 r.p.m. with low noise
- Winding head placed automatically in tape attachment position
- Database connection
- Automatic taping stop when the tape roll is empty
- Remote service

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**VarioLiner**

**Application:** VarioLiner is a program-controlled taping machine for laying and taping of complex wiring harnesses without a lay-up board. This machine tapes highly accurate and thus ensures the production of absolutely identical harnesses.

**Characteristics:**
- Open winding head for easy handling of the branches
- Unlimited number of program steps and storage
- Independent 2 axes control for feeding and winding
- 1,500mm freely-positionable linear axis with universal clamp fixture
- Precise length measurement without length limit
- Programming via keyboard and industrial PC
- The program runs automatically therefore the running time is always constant
- Visualisation of work steps
- Max. winding speed 800 r.p.m.
- Winding head placed automatically in tape attachment position
- Automatic taping stops when the tape roll is empty
- Database connection

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**LinearLiner**

**Application:** LinearLiner is a program-controlled taping machine with a precise linear system and exact positioning and movement of the wiring harness. The length of the linear system is according to customer requirement up to 2,500mm.

**Characteristics:**
- Closed winding head
- Unlimited number of program steps and storage
- Independent 2 axes control for feeding and winding
- up to 2,500mm freely-positionable linear axis with universal clamp fixture
- Precise length measurement
- Programming via keyboard and industrial PC
- The program runs automatically therefore the running time is always constant
- Max. winding speed 1000 r.p.m.
- Winding head placed automatically in tape attachment position
- Automatic taping stops when the tape roll is empty
- Database connection
**OndaLiner**

**Application:** OndaLiner is a program-controlled taping machine for laying and taping of less complex wiring harnesses. High winding speed, fast acceleration and short braking distance of the winding head, optimizes the production time to a minimum.

**Characteristics:**
- Closed winding head
- Storage of 100 programs with up to 20 steps
- Simple programming via touch panel
- High performance by high winding speed up to 1200 r.p.m.
- Individually adjustable feed guarantee individual taping result
- Winding head stop automatically in tape attachment position
- Automatic taping stops when the tape roll is empty
- Spot taping at the end of a step

**Options:**
- Facility for working with two tapes, non adhesive tapes, felt or foam tapes
- Height adjustable stand

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**LinearTaperS**

**Application:** LinearTaperS is a program-controlled taping machine for laying and taping of less complex wiring harnesses. This machine works with a precise linear system. The length of the linear system is 900mm or according to customer requirement up to 3 meters.

**Characteristics:**
- Closed winding head
- Storage of 30 programs with up to 10 steps
- Simple programming via touch panel
- Max. winding speed 1000 r.p.m.
- Precise length measurement guarantees 100% accuracy
- Automatic taping stops when the tape roll is empty
- Spot taping at the end and at the beginning of a step programmable

**Options:**
- Height adjustable stand
- Facility for working with two tapes, non adhesive tapes, felt or foam tapes

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**VarioMaster**

**Application:** The VarioMaster is a operator controlled taping machine, especially applicable for long and strong branched wiring harnesses. The open winding head makes the handling easy and leads to a large time saving - higher productivity and quality.

**Characteristics:**
- Open winding head
- Manual feed adjustment
- Manual speed control
- Pneumatic closing and opening of the feed roles
- Max. winding speed 800 r.p.m.
- Winding head placed automatically in tape attachment position
- Automatic taping stops when the tape roll is empty

**Options:**
- Height adjustable stand
- Height adjustable winding table for big harness diameter
**OndaTaperS**

**Application:** The *OndaTaperS* is an operator controlled taping machine, especially applicable for simple and long wiring harnesses. Small, quick, reliable, cost-effective and thus absolutely economical, the perfect machine for efficient and cost-effective production.

**Characteristics:**
- Closed winding head
- Manual feed adjustment
- Manual speed control
- Pneumatic closing and opening of the feed roles
- Winding speed adjustable between 800 r.p.m., 1000 r.p.m. or 1200 r.p.m.
- Winding stops in tape attachment position

**Options:**
- Height adjustable stand
- Facility for working with two tapes, non adhesive tapes, felt or foam tapes

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**OndaTaperV2**

**Application:** The *OndaTaperV2* is an operator controlled taping machine, especially applicable for simple and long wiring harnesses. Small, quick, reliable, cost-effective and thus absolutely economical, the perfect machine for efficient and cost-effective production.

**Characteristics:**
- Closed winding head
- Manual feed adjustment
- Manual speed control
- Automatic and pneumatic closing and opening of the feed roles
- Winding speed up to 1000 r.p.m.
- Winding head stop in tape attachment position

**Options:**
- Height adjustable stand
- Facility for working with two tapes, non adhesive tapes, felt or foam tapes
- Extended guard for big tape rolls

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**OndaTaper**

**Application:** The *OndaTaper* is an operator controlled taping machine, especially applicable for simple and long wiring harnesses. Small, quick, reliable, cost-effective and thus absolutely economical. The *LinearTaper* further developed on the basis of the *OndaTaper* is an optimal solution for short, simple modules with adjustable tape length.

**Characteristics:**
- Closed winding head
- Manual feed adjustment
- Manual speed control
- Manual closing and opening of the feed roles
- Winding speed up to 800 r.p.m.
- Winding head placed automatically in tape attachment position

**Options:**
- Height adjustment
- Facility for working with two tapes, non adhesive tapes, felt or foam tapes
**ElectricBundler**

**Application:** ElectricBundler is the versatile and robust machine for bundling, marking, fixing and insulating. The tape width and the bundle diameter determine the equipment model, which we assemble according to your requirements.

**Characteristics:**
- Bundling - Insulating - Fixing - Marking
- Winding speed and number of rotations controlled by touch panel
- Processing time up to 2 seconds
- The cable set is perfectly sheathed with your specified parameters
- Bundle diameter 3 - 40 mm (with different models)
- Tape width 9 - 50 mm (with different models)
- Any conventional tape material
- Automatic tape length adjustment to guarantee a minimum number turns of tape

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**OndalMini**

**Application:** OndalMini is an automatic hand-held, lightweight and ergonomic device for continuous taping. This machine tapes short and long distances in both directions. It can also be used for complex wiring harnesses also on assembly boards.

**Characteristics:**
- Winding speed 120 - 280 r.p.m.
- Manual speed control by button
- Winding head stop in tape attachment position
- Simple and ergonomic handling
- Suitable for left- and right-hand operators
- For hanging up the machine on a balancer
- Integrated cutting device
- Consistent good quality, by consistent tape tension during the winding process

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**HandTaper**

**Application:** The HandTaper makes taping and bundling by hand amazingly simple and even at the lay-up board. This device is the first step to reproducible quality of hand taping. Constant tape tension and an ergonomic movement lead to an even grade and fold free surface.

**Characteristics:**
- Winding speed controlled by hand
- Simple and ergonomic operating
- Suitable for left- and right-hand operators
- Integrated cutting device
- Reduced tape consumption, because of exact adjustment of the overlap or space
- The tape roll adjusts itself into the required direction and guarantees optimum quality of the taped surface
**Comfort Bundler**

*Application:* **Comfort Bundler**, 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.

*Characteristics:*
- Bundling - Insulating - Fixing - Marking
- Winding speed: pneumatic controlled
- Processing time up to 2.5s
- Max. 4 tape windings per process
- The cable set is perfectly sheathed with your specified parameters
- Bundle diameter 3 - 40 mm (with different models)
- Tape width 9 - 50 mm (with different models)
- Any conventional tape material

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**Bundler**

*Application:* **Bundler**, the versatile and robust machine for bundling, marking, fixing and insulating. The tape width and the bundle diameter determine the equipment model, which we assemble according to your requirements.

*Characteristics:*
- Bundling - Insulating - Fixing - Marking
- Winding speed: pneumatic controlled
- Processing time up to 2.5s
- Max. 4 tape windings per process
- The cable set is perfectly sheathed with your specified parameters
- Bundle diameter 3 - 40 mm (with different models)
- Tape width 9 - 50 mm (with different models)
- Any conventional tape material

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**Onda Spot**

*Application:* **Onda Spot**, bundle technology with one hand in a 2-3 seconds cycle. If you want to go with a bundling machine to the line, the device must be small and of low weight (< 1 kg). You get a perfect fixation if the wires are placed well.

*Characteristics:*
- Bundling - Fixing - Marking
- Winding speed: electrically controlled
- Processing time: 2-3 s
- Max. 3 tape windings per process
- Tape length 45 – 55mm
- The cable set is perfectly sheathed with your specified parameters
- Bundle diameter 3 - 13 mm
- Tape width 9 or 12 mm (with different models)
- Tape material: cloth, paper, PVC
Dispenser

**Application:** The Dispenser for simple, safe and ergonomic use. The cutting knife cuts each tape with a low force. The cutting blade guard protects the operator against injury and allows the exchange of the cutting blade within a few minutes. The pre-adjustment of the tape length provides the right amount of tape every time - a device for professional and industrial use.

**Characteristics:**
- Manual tape dispensing
- Accurate repetition of the tape length
- Tape width 9 - 30 mm (with different models)
- Any conventional tape material

Electric Dispenser **OTD 60**

**Application:** The OTD 60 cut and present each piece of tape clean and accurate. High efficiency by productivity increase and material cost reduction. Made for using in industrial applications and multiple shift operation.

**Characteristics:**
- Automatic tape dispensing
- Exact repetition of the tape length
- Programmable tape length from 10 – 999mm
- Different mode settings (manual mode and automatic mode)
- Tape width 9 - 60 mm
- Preset up to 6 tape lengths
- max. outside tape roll diameter 230mm
- Possible to work with two tapes
- Any conventional tape material

Electric Dispenser **TDA 080**

**Application:** The electronic tape dispenser **TDA 080** is ideal for medium to high production of repetitive taping for industrial applications. Heavy-duty metal construction with metal gears and advancement rollers. The digital push switch with display allows easy length adjustment.

**Characteristics:**
- Automatic tape dispensing
- Exact repetition of the tape length
- Programmable tape length from 40 – 9999mm
- Different mode settings (manual, automatic, interval)
- Tape width 6 - 80 mm
- 1”, 1,5” and 3” inside, 150 mm max. outside
- Any conventional tape material, also highly tear-resistant and strong adhesive tapes
**Label Dispenser OLD 100**

**Application:** The Label Dispenser OLD 100 is for any size, shape and material of labels. A precise sensor controls the position of the labels. Speed and position of the labels are programmable. Best and individual presentation for each label. Avoids the tedious hassle of peeling labels by hand.

**Characteristics:**
- For labels from 6 to 50mm length
- For labels from 5 to 60mm width
- Feed Speed 40mm/sec
- Inside core diameter min. 25 mm
- Label position can be adjusted digitally
- Label counter up to 999 pieces with manual reset

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**Label Dispenser LD 2000**

**Application:** The electronic tape dispenser LD 2000 is ideal for small labels and small work areas. Labels and die-cut parts are peeled automatically from its liner. Liner scrap automatically rewinded.

**Characteristics:**
- For labels from 6 to 57mm length
- For labels from 6 to 76mm width
- Inside core diameter 1” and 3”
- Label position can be adjusted manually