The machine consists of several treatment chambers for washing, rinsing, blowing and drying. They can be single or multi-stage with final drying according to needs. All operations are performed automatically on the parts as they move along the conveyor belt.

**LINEAR AND OVAL CONVEYOR TUNNELS**
For the treatment of various shapes and sizes with mixed positioning

**LINEAR AND OVAL STEP-BY-STEP PALLET CONVEYOR TUNNELS**
For the customized treatment of technologically complex parts

**PIPE TUNNELS**
For the internal and external treatment of profiles of various shapes and sizes

**ADVANTAGES**
- Reduction of operating and manufacturing costs due to the possibility of incorporating these machines within automatic production areas.
- Reduction of costs through the use of biodegradable environmentally friendly chemical detergents.
- High degree of washing cycle automation.
- Optimisation of treatment parameters without the need for constant monitoring by specialised operators.
- The opportunity to treat “technologically complex” components characterised by high production quantities and high final quality requirements.
- The opportunity to increase productivity and improve the efficiency of each production line.
EQUIPMENT

Standard

- Electrical vapour extraction
- Feeding via gearmotor (inverter-controlled adjustable speed)
- Light curtain barrier at outlet (in case of manual unloading)
- Full Stainless Steel insulation to reduce operating costs
- Siemens electrical components
- Minimum level probe of liquid in the tank to protect the pump and resistance
- Maximum level probe of liquid in the tank and automatic water filling solenoid valve
- Electric pumps made of Aisi 304 Stainless Steel with special gaskets for high pressures and flow rates.

- Box filter with 6 hat filters made of Aisi 304 Stainless Steel for pre-filtering the liquid returning to the washing tank.
- Pump intake filters made of Aisi 304 Stainless Steel
- Electrical system IP65, touch-screen PLC (DGT V4) control
- Weekly schedule to turn on heating and the oil separator (if installed)
- Electrical heating resistances made of Incoloy Stainless Steel
- Safety sensors to ensure operator safety when using the machine
- Structure and sheet metalwork made of Stainless Steel
- Laser-machined washing/rinsing pipes made of Aisi 304 Stainless Steel
ACCESSORIES

- Additional customisations on request
- Separate remote electrical cabinet
- Step conveyor feeder with dedicated pallets
- Light curtain barriers at the loading and/or unloading stage
- Electric vapour condenser for lowering the quantity of vapour given off (page 39)
- Disoil P LT or HT (page 40)
- Disc oil separator with dedicated gearmotor
- Separation of parts to be washed into parallel rows with linear guides
- Chemical product doser
- Bag filter with thermal insulation
- Robot interface for automatically loading parts
- Robot interface for unloading parts (only for pallet tunnels)
- PLC Siemens S1200 – HMI Siemens KTP touch-screen
- Tank emptying pump
- High pressure washing pump
- Customized treatment station, pause in position, pneumatic flushing
- Customizations for use with strongly caustic chemical products
- Designed for the removal of abrasive contaminants from the treated components
- External fittings made of stainless steel
- Ramps with high flow pump
- Heating with diesel or natural gas burner
- Pickling of internal welding
- Sheet metal unloading chute
- Part presence/absence detectors
- Stack light for indicating system status
- Models with other supply voltages
- System retention tank made of Aisi 304 Stainless Steel