



As you know, every woodworking company produces rejects such as shavings and sawdust, which have to be disposed. Nowadays, thanks to the innovative Series P300 and P500, these rejects can be easily turned into pellets, whose markets is always growing. For some years P SYSTEM S.r.l. Automation designs and realizes installations for pellets production.

The non-stop investments in research and development let us realize pellets Machines Series P300 and P500 with an exclusive hydraulic technology and leading performances.

All our customers have recovered the installation costs in few months. We have a technical staff for prompt and direct assistance. All our installations are designed and realized in conformity with ISO 9001:2008 and provided with handbooks and CE mark. For information you can visit our website [www.psystemsrl.it](http://www.psystemsrl.it) or call us directly.



**ADMINISTRATION AND FACTORY:**  
Via delle Vigne, 166  
26100 CREMONA  
**RESEARCH AND DEVELOPMENT:**  
Via delle industrie, 40  
25030 Erbusco (BS) - ITALIA  
[info@psystemsrl.it](mailto:info@psystemsrl.it) - [www.psystemsrl.it](http://www.psystemsrl.it)  
Tel. +39 0372 452589 - Fax +39 0372 453820



[www.lipografica2000.it](http://www.lipografica2000.it)



**SERIES DRY-TEC \***

\*registered request for European patent

**THE NEW GENERATION  
THE MOST COMPACT DRYER ON THE MARKET**



THE DRYING SYSTEM IS BASED ON THE TRANSPORT OF MODERATELY HOT AIR, TOGETHER WITH THE MIXING AND BREAKING OF MATERIAL. EVERYTHING HAPPENS UNDER THE NON-STOP CONTROL, EFFECTED BY THE EQUIPPED DETECTOR, OF THE MOISTURE CONTENT OF THE MATERIAL, WHICH CIRCULATES UNTIL THE ACHIEVMENT OF THE DEGREE SET BY THE OPERATOR.



## Profits

- Planning and study aiming at pelletizing and briquetting
- Warrant of homogeneity in the drying degree, independently of the difference in the humidification of the entering material's mixture.
- The drying typology is programmed not to damage the material's. At the exit the material is ready for the pelletizing or briquetting.
- The mixing and breaking features homogenise the particle-size of the outgoing material...
- Extremely easy to use. The automatic cycle is controlled by one button and by the immediate reading of the parameters on the PC-card's display.
- The dryer is assembled and working after few hours from delivery.
- Very low costs of installation, since only one technician P SYSTEM is needed for the assistance to the first starting and assembling.
- Technical assistance by INTERNET (INTRANET).
- Safety in working operations thanks to the integrated automation.
- Fire safety thanks to the in direct use of heat sources and the internal moderate working temperature (max 120 °C).
- Conform to the norms in force regarding safety in use and dust emissions in the atmosphere thank to the available range of filters.
- Working automation by reliable and quality hydraulic components.

## Functioning

The material, which is usually but not necessarily humid, feeds the hopper in which the moisture detector and the max. level probe are installed.

By the hydraulic-regulated screw conveyor the material is sent to the mixer-breakers and mixed together with hot air, which comes from the boiler.

Everything is continuously monitored and regulated by the PLC of the control board.

The material sucked up by the fan is separated from the air mixed to condensation by one or more cyclones and sent back in hot circulation.

When the probe in the hopper registers the presence of material, which has the same moisture degree set in the PLC, it unloads the product making room for the new to be examined.

The dried material is conveyed outside by a hydraulic-motorized screw and arranged for the discharging on a band, a screw or by pneumatic transport.



## Technical Features

SYSTEMS FOR 250 / 500 / 1000 Kg/h each
INITIAL MATERIAL: max chips 30x30x5 mm – min 3 mm
MAX INITIAL MOISTURE: > 60%
WEIGHT AND SIZE: depending on the initial moisture degree
STANDARD VOLTAGE: 380 V – 50 Hz (different voltage available by request)

