

AHS Textile Machinery Company presents solutions from Idrosistem Energy srl

AHS Textile Machinery Company is one of the leading indenting house and marketing company for machines, primarily the textile machinery. AHS was founded in year 2000, and its team has over 25 years of sales and marketing experience. AHS provides technical solutions and engineering services to textile and polyester industry. AHS has one of strongest after sales services team and all customers are fully satisfied as the company offers spare parts services and keep spare parts in stock for a number of machines, which helps its customers to minimize inventory cost, downtime and thus improving the cost of production.

IDROSISTEM energy is an engineering company specializing in technologically advanced plants for the following applications:

- ❖ Wastewater treatment for industry.
- ❖ Water recovery.
- ❖ Water treatment for nonwovens.
- ❖ Water conditioning .
- ❖ Energy Production.

All plants are designed in-house by expert design staff. The engineers oversee every project from the ordering of materials through to the supervision of plant construction and start-up. IDROSISTEM energy also provides a full after-sales service including maintenance, technical advice and ordering of parts. In order to protect our technology IDROSISTEM has patented three of their innovative designs:

1. Water & Air Back washing system
2. Filter Distribution system.
3. Sand Filters with Internal Flotation.
4. Band Float.
5. Band Bio Float.

All IDROSISTEM energy plants are custom-built bearing in mind the individual needs of customers and with the aim of providing the following benefits:

- ❖ reduction in production costs (reduced operational, labour and chemical costs)
- ❖ increase in production output (elimination of production stoppages caused by faulty machinery)
- ❖ reduced ecological impact on the environment (reduced water costs, discharged wastewater within legal limits, no harmful chemicals required)

The company can also carry out feasibility reports for clients interested in upgrading their existing plant. Old wastewater and recovery systems can be modified so that they too can benefit from new technology. Plants can also be designed for customers with a limited amount of space available. A free pilot plant trial is also offered to customers so that they can road test this technology. Pilot plants trials are available for ozone, flotation, UV sterilization, Band Float and Band Bio Float systems.

All plants are constructed from first class materials, with only top brands to ensure reliability and to facilitate the acquisition of spare parts. All plants run automatically and require minimum intervention.

Plant computers can be accessed directly from IDROSISTEM energy's Head office via a telephone line. This enables IDROSISTEM engineers to view the real-time status of a plant in order to troubleshoot and respond immediately. The in-house laboratory also allows the company to respond quickly to clients' requests for water analysis which can be carried out within a few hours.

IDROSISTEM energy personnel supervise the construction and commissioning of plants and provide on site training for client personnel. All plants come with a CD Rom Operation Manual. The after-sales service includes continued technical advice along with the ordering of spare parts and plant maintenance check-ups.

Products and services

Biological Wastewater Treatment

- ❖ Traditional biological treatment.
- ❖ Bio-filtration (less space required).
- ❖ Band-Bio-Float.

Water Treatment for Spunlace nonwovens (Hydro entanglement) Lines

- ❖ Flotation (DAF).
- ❖ Sand filtration.
- ❖ Band-Float.
- ❖ UV sterilization.
- ❖ Ozone Sterilization.

Water Recovery

- ❖ Resin filtration.
- ❖ Reverse osmosis.
- ❖ Active carbon filtration.
- ❖ Ozone oxidation.

Direct Water Recovery (Less space required)

- ❖ Resin filtration.

Water Conditioning

- ❖ Sand filtration.
- ❖ Reverse osmosis.
- ❖ Active carbon filtration.
- ❖ UV sterilization.

Energy Production

- ❖ Co-generation.
- ❖ Hydroelectric power.
- ❖ Solar power.
- ❖ Wind power. ♦

LW2N lap winder by Marzoli

The high performance lap winder LW2N has been designed in order to guarantee a practical operation up to 130 m/min and a lap weight up to 28 kg. Easy to operate, great reliability and low operational costs have been achieved by this new electronic model. The lap winder LW2N is managed by a modern PC microprocessor: all the production data and the working parameters are controlled and saved during the production cycle. The multi-language H.M.I. is user friendly system and permits simple operation with clear diagrams, detailed monitoring pages and step-by-step troubleshooting procedures.

The Lap Winder LW2N has been completely redesigned with a new 3D CAD software which enabled engineers to define higher standard and to find out innovative solutions. Marzoli is represented in Pakistan by Acmatex Corporation.



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