JIGGER

The new series of Jiggers
TVE-ESCALE brings a new
concept of control
TRADITION
TVE-ESCALE is the result of the merger between TEXTILE VACUUM EXTRACTOR CO. (USA) and SISTEMES INDUSTRIALS ESCALE, S.A. (SPAIN), two leading companies that combined synergies with the aim of developing a new generation of machinery.

With over 30 years’ experience, continued improvement of its products and a history of outstanding customer service and reliability, TVE-ESCALE is now present in 5 continents.

GIVING SOLUTIONS
TVE-ESCALE is committed to its customers. As a result we always offer the best solution for our clients.

TVE-ESCALE machinery is recognised for its quality, reliability, robustness and low maintenance costs.

TVE-ESCALE engineering, a subsidiary of TVE-ESCALE, responds to unique problems and offers a variety of bespoke solutions in areas such as production processes or quality.

With TVE-ESCALE, you have a reliable, professional and experienced partner not only for the present needs of your business but one that will help you grow in the future.

COMMITTED TO THE ENVIRONMENT
TVE-ESCALE manufactures machinery for the textile finishing industry with an emphasis on quality, in particular washing, bleaching and dyeing, and developing our own bespoke systems to optimise processes.

Since its incorporation, TVE-ESCALE has been committed to monitoring and mitigating its’ environmental impact and with our close cooperation with universities and chemical companies we strive to find ways to further reduce our water consumption, chemical and energy usage.

Our goal is to contribute to a more sustainable world in collaboration with our customers, employees and society as a whole.

LEADER
TVE-ESCALE has positioned itself as a world leader in vacuum technology and submerged suction.

We have achieved this through our advanced technologies and innovative thinking with respect to the processes of washing, bleaching and dyeing. As a result we have become a benchmark in the global textile industry.
Since its inception TVE-ESCALE has opted for the Jigger machine for discontinuous processes because of its versatility.

It was in 1992 that TVE-ESCALE launched the first electronically controlled Jigger and because of this foresight we have become pioneers.

Since then, TVE-ESCALE has continued to evolve its Jigger models. The new generation of ECOMATIC notable improvements are:

- Higher performance
- Minimal and greater control of tension
- Increased robustness and easy maintenance
- Fully automated
- Reduced energy consumption

The new SIEMENS servomotors allow control of the fabric tension without a load cell thanks to the management of the torque limit in real time.

The low energy consumption is because of an internal energy regeneration operation.

To ensure the best results, TVE-ESCALE only works with the most reputable global suppliers.
Features

- Siemens servomotors allow total control over speed, torque and position
- Large doors automatically actuated
- Direct and indirect steam in the bath
- Indirect steam at the ceiling
- Bath recirculation pump
- Automatic centring equipment
- Automatic bath level
- Manual filter (optional)
- Motorized unloading arm (optional)
ECOMATIC TURBO

Maximum efficiency for Jigger processes

TVE-ESCALE has incorporated submerged suction technology in their jiggers to increase equipment performance.

Thanks to the tension control system developed in the ECOMATIC model and coupled with the many years of knowledge on submerged suction technologies TVE-ESCALE has been able to create this new range of jiggers which are both innovative and totally revolutionary.

With ECOMATIC, TVE-ESCALE completely changes the concept of jiggers, from traditional model of “passing the fabric through a chemical bath” to “passing the bath through the fabric”.

To achieve this effect, ECOMATIC TURBO incorporates two submerged suction tubes into the bath. These tubes are connected to a group of filters and a high pressure suction pump, and the fabric is traversed by the bath during the impregnation process.

The tension generated by the suction effect is electronically compensated.

Advantages
- Reduction in production processes
- Improved washing and dyeing effect
- Higher quality of the treated fabrics
- Water and energy savings
ECOMATIC HT

ECOMATIC technology for high temperature processes

Features

• Siemens servomotors allow total control over speed, torque and position
• Indirect steam through an external heat exchanger
• High performance recirculation pump
• Uniform dosage of the product throughout the cycle
• Automatic closing system of the autoclave
• Manual filter
• Automatic bath level
• Automatic centring equipment (optional)
• Motorized unloading arm (optional)
Different models of the ECOMATIC range