

Press release

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Schwing Technologies at Compounding World Expo 2021 in Cleveland Ohio

Thermal cleaning systems remove polymers, plastic additives and recyclates from machine parts

Compounding and plastics recycling are the central topics of the second Compounding World Expo in Cleveland, Ohio. As a specialist for thermal cleaning systems, Schwing Technologies will be exhibiting at the US trade show for plastics processing on November 3-4, 2021. At booth A523, Andrew S. Dickinson, US-expert from the German machinery manufacturer, will provide information on the special advantages of the thermal cleaning technology. Typical application for the systems is the cleaning of plastics from tooling and machine parts. In the compounding and recycling industry, these include in particular pelletizing dies as well as die plates, extruder screws, screens and filter discs. With Schwing's environmentally friendly, energy-efficient and effective systems, all polymers, plastic additives and recyclates can be removed quickly, safely and cost-effectively.

Cleaning solutions for individual needs

Three different systems from Schwing are available for this purpose. With the user-friendly and precisely controllable systems, Schwing takes into account the individual needs and the variety of tooling used in the industry:

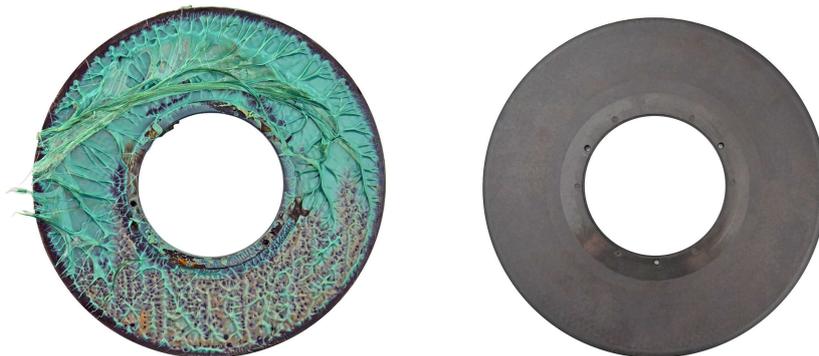
- **Pelletizing dies, extruder screws, screw elements, laser filters and filter discs as well as all plastics:** cleaning by means of thermal vacuum pyrolysis in VACUCLEAN and VACUCLEAN COMPACT systems.
- **Hot runner manifolds, breaker plates, screw elements, etc., and for all polymers, including high-temperature plastics such as LCP, PEI, PPS or PI:** cleaning using fluidized bed technology in INNOVACLEAN systems.
- **Large tooling, e.g. large extrusion dies, and all halogen-free plastics:** cleaning by means of thermal pyrolysis in industrial burn-off oven systems.

There are numerous benefits for users in plastics processing and recycling, explains Andrew Dickinson: "The use of our thermal cleaning systems significantly increases machine availability. This in turn minimizes interruptions, reduces costs and increases the productivity of our customers." Schwing sells its technology solutions and equipment worldwide, is constantly improving the efficiency of its systems and adapting the cleaning processes of innovative materials and new machine designs at an early stage.

Further Information: <https://schwing.tech/thermal-cleaning>

Keywords: compounding, plastics processing, recycling, plastics recycling, thermal cleaning, pyrolysis, vacuum pyrolysis, fluidized bed technology, VACUCLEAN, VACUCLEAN COMPACT, INNOVACLEAN, burn-off oven

Photos



Laser filters can be quickly and safely freed of plastic residues with the aid of thermal vacuum pyrolysis. Here before and after cleaning in a VACUCLEAN system

Photo credit: SCHWING Technologies

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The use of thermal cleaning to remove plastics from machine parts, such as pelletizer knives, significantly increases machine availability, reduces costs and increases productivity. Here before and after cleaning in a VACUCLEAN system

Photo credit: SCHWING Technologies

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About Schwing Technologies

Schwing Technologies has been operating for over 50 years and is the worldwide technological leader for high-temperature systems for thermal cleaning, thermo-chemical finishing and heat treatment of metal parts and tools. Managing directors are Ewald Schwing, Thomas Schwing and Alfred Schillert. The owner-managed company designs, manufactures, and operates systems at its headquarters in Neukirchen-Vluyn in Germany's Lower Rhine region. Built upon the achievements of German engineering, the medium-sized business is one of the world's best-known specialists in the removal of plastics. Among Schwing's approximately 3,000 international clients are companies from the plastics and fiber industries, as well as from the chemicals and automobile sectors. For every cleaning need, the company with its approximately 100 employees offers the most economically, ecologically and qualitatively best technology and cleaning solution. Schwing is also a reliable service partner for contract cleaning by processing more than 250,000 tools and parts each year to the highest environmental and qualitative standards. Founded in 1969, the company celebrates its 50th anniversary in 2019 and opened Schwing Technologies North America Inc., a new sales company in the USA, in that year.

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