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Medical technology in focus at Chinaplas: BOY XS E and BOY 25 E produce high-precision components

From 21 to 24 April, Dr. Boy GmbH & Co. KG will be exhibiting at Chinaplas in Shanghai (Hall 2.1, Stand F86) together with its Chinese representative Andeli Co., Ltd. The focus of the trade fair presentation will be on two applications from the field of medical technology, which highlight BOY's special expertise in micro and precision injection moulding.

BOY XS E: Resorbable tissue clip made of PPDO

An absorbable tissue clip for surgical applications is manufactured on a BOY XS E. The tissue clip made of PPDO (polydioxanone) has an article weight of only 0.105 g. It is produced with a 2-cavity mould and a shot weight of 0.5 g.

This application highlights the strengths of the BOY XS E in processing sensitive materials and extremely low shot weights. Maximum precision, process stability and reproducibility are crucial, especially for absorbable implants – requirements that are reliably met by BOY micro injection moulding technology.

BOY 25 E: Precision component for medical injection pen

As a second application, a threaded rod for dosing an insulin cartridge used for administering medication is produced on a BOY 25 E. The polystyrene (PS) part has an article weight of 0.68 g. It is manufactured with 8 cavities and a shot weight of 5.44 g.

Here, too, dimensional accuracy, surface quality and stable series production are essential. The BOY 25 E impressively demonstrates how economical and reliable high-precision medical components can be manufactured.



Spritzgiessautomaten

Growing medical technology market in China

"The market for medical technology in China is growing very dynamically. Against this backdrop, we are presenting two machines for specific medical components that are intended as implants for surgical applications. Micro injection moulding is one of the greatest strengths of BOY injection moulding machines. Our customers particularly appreciate the ability to produce high-quality, precise components with high added value on BOY machines," explains Xin Bingbin, Manager of Andeli Co., Ltd.

The Chinese medical technology market places high demands on quality, efficiency and process reliability. With its compact, energy-efficient and high-precision injection moulding machines, Dr. Boy GmbH & Co. KG offers optimal solutions for demanding medical applications – especially in the field of micro and small parts production.

Visitors to Chinaplas 2026 are cordially invited to visit the Andeli stand (Hall 2.1, F86) to see for themselves the performance capabilities of BOY injection moulding machines.

Company profile

Dr. BOY GmbH & Co. KG is a leading global manufacturer of injection moulding machines with clamping forces up to 1,250 kN. These highly compact, durable machines operate with precision, are energy-efficient and therefore extremely economical. With its innovative concepts and solutions, BOY continues to prove itself as a trendsetter. Automation, digitalisation, sustainability and CO₂ reduction are particular areas of focus. Since the company was founded in 1968, over 55,000 injection moulding machines have been delivered to customers on every continent. The owner-managed company is consistently committed to engineering excellence and quality workmanship 'Made in Germany'. For more information visit www.dr-boy.de



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