

**PRESENTATION ABSTRACT****Presentation topic: Modern pharmaceutical equipment presented by the Holding "Pharm Tech"****Speaker:**

Artemy Kirpichnikov, managing director

**Company:**

Holding Pharm Tech», Russia

**Presentation abstract:**

PharmTech Holding associated its professional activity with the BOSCH Company's dominant position in the development and supplies of high-technology and high-speed lines. PharmTech Holding is BOSCH's exclusive representative in Russia, Ukraine, Belarus, Kazakhstan and other CIS countries. 90% of the firm's activity is connected with projects involving the use of liquid pharmaceuticals (ampoules, syringes, vials, cartridges) and accompanying equipment – freeze dryers, centrifuges, sight control, etc. Supplying water treatment and sterilizers, BOSCH offers its customers the whole project from A to Z for liquid pharmaceuticals.

Overview of representations by Holding "Pharm Tech":

**1. Robert BOSCH GmbH, Pharmaceutical Division**

- GKF HiProTect – a capsule filling machine for processing highly potent substances, which is entirely safe for the personnel and provides for 100% capsule weighing
- GKF Capsylon 3005 – High Speed Gelatin Capsule Filling Machine – designed for an output of 175,000 capsules per hour for economically filling powder, pellets and granules. The zest of GKF series machines is the patented height adjustable metering disk allowing for precise adjustment between granules of changeable formats and filling amounts.
- New – ultrasonic vial/ampoule washer RRU 2000 – washers of this series need practically no replacement of gear, needles or other sort of intervention in the machine.
- Peristaltic pumps BOSCH in combination (simultaneously) with other metering systems.
- FXS 5100 – a rapid high-tech filling and sealing machine for pre-sterilized nested syringes – Having manufactured this equipment later than others, BOSCH took its mistakes into account and used the best for this time.

**2. NANOTECHNOLOGIES, nano homogenizers by MICROFLUIDICS Inc, USA****3. CENTRIFUGES from Germany for biological substances****4. Shanghai Tofflon Science and Technology Ltd. – what is the company's success based on?**

- over 1,400 machines worldwide have been supplied; in the last 3 years – entering European and American markets
- wide experience in freeze dryers supplies to Japan (since 2003 – joint enterprise with the KYOWAC company from Japan)
- Steel from Finland and Sweden, all constituent parts are from Europe
- Terms of supply are from 4 months thanks to the three-shift operation

**5. Vials and ampoules from China** – ideal quality of vials thanks to their being manufactured in vertical machines**6. Rubber stoppers by WEST pharmaceutical systems** – the world's leading manufacturer that has scores of plants all over the world and provides the quality FOR THE PRODUCT of the customer