

Motion & Control Technologies Center

The wall between art and engineering is only in our minds. Theo Jansen

Established in 1998, we were eager to see what we could accomplish with the inspiring technologies of the changing world. Since our very first project, we have taken each and every of our steps by listening to our customers and taking care of their habits and needs. From the first day, we have been moving forward together with Bosch Rexroth, one of the leading technology companies of the world, while trying to make our sub-brand HKSM a leader in its segment. ***This is why engineering is more than just an occupation for us; it is one of the most creative ways to make our customers dreams come true.***

In order to achieve this goal, we focus on 3 areas in our service and production processes: Hydraulics, Electromechanics and Robotics, Mechanics and Automation. Thanks to their mutually complementary services in Engineering and Turnkey projects, each of them being experts in their own fields, our departments meet all of your expectations from one end to the other. ***This is why engineering is not only solving the existing problem for us; it also ensures the way that all systems work smoothly and in compliance with each other.***

Designing the technology and evolving it into reality is also a significant part of our job. We leave our mark in each of our projects with innovative products -such as collaborative robot, servo hydraulic cylinder, parallel robot, delta robot- that we develop by carrying on collaborative works with universities and scientific institutions. ***This is why engineering for us does not mean using today's products only, it means designing the future.***

And probably our biggest responsibility is to respect the limited resources of the world, while developing the most innovative technologies. This is our duty towards both our customers and our children... For this reason, in each step we comply with the most up-to-date environmental standards and we consider the environmental impacts during the period from the first stage to the minute we present it to you. ***This is why engineering for us is to make the world a better place above all.***



Good Engineering
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Mechanical & Automation Sales

Electromechanics & Robotics

Hydraulics Project & Sales



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Tire factories & tire curing presses

HKTM, with its expert and experienced staff, has **designed and manufactured more than 100 hydraulic rubber moulding presses** between the range 45"-104" so far.

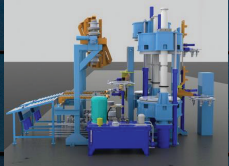
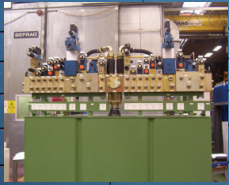


Rexroth
Bosch Group

Sales Partner



hktm
İyi Mühendislik
444 4530



Yerinde Mühendislik
444 7 457



Tire curing presses

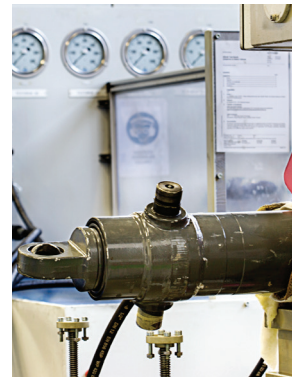
Design, material supply, hydraulic cylinder manufacturing, piping, flushing-picking and commissioning operations for the hydraulic systems used in HKTm rubber presses are performed at the Main Dealership of Bosch Rexroth, the world leader in motion and control technologies. HKTm, with its expert and experienced staff, has **designed and manufactured more than 100 hydraulic rubber moulding presses between the range 45"-104" so far.**

HKTm provides services in hydraulic systems in all stages of rubber manufacturing process. We offer services in:

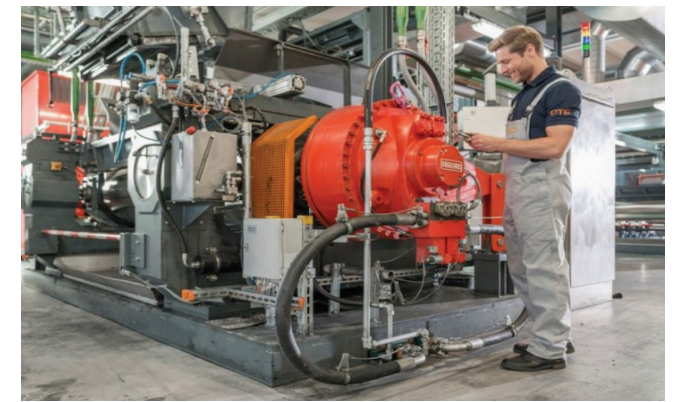
- Mixers where raw materials of rubber are blended,
- Rubber manufacturing machines,
- Rubber baking presses,
- and we serve as a hydraulic Project and solution firm in R&D and testing systems.

Rotation movement in the mixers can be performed with the Häggglunds hydromotor application with low speed and high torque efficiency.

Hydraulic Cylinders



In the past almost 20 years with many applications on the field we had remarkable experience and know how in hydraulic cylinders. Now we want to combine this best practice with our manufacturing and test capabilities in our factory to supply first class cylinders into the World market.



EN16474 Safety Conditions

As HKTm, We Apply Revisions Determined by EN16474 Safety Conditions for Rubber Presses.

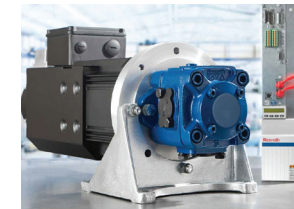
- Control and safety of
- Loader
- Unloader
- Press Up-Down

movements, which are against the gravity in Hydraulic Presses are a matter of importance. We use Bosch Rexroth switch on-off valves for the safety in the said movements.

The noise at the maximum pressure must not exceed 80dB in hydraulic presses. Our solution is the cabin construction with sound insulation



Energy Saving



Thanks to the next-generation hydraulic systems by Bosch Rexroth, high level of energy efficiency, significant reduction in noise level and motors with a longer service life are impossible. We use the SYTRONIX technology in hydraulic units of rubber manufacturing machines and baking presses upon demand.