# PRESS RELEASE

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| **Schuler AG**  Bahnhofstraße 41  73033 Göppingen  Germany  **Simon Scherrenbacher**  Corporate Communications  Tel.: +49 7161 66-7789  Fax: +49 7161 66-907  [Simon.Scherrenbacher@ schulergroup.com](mailto:Simon.Scherrenbacher@schulergroup.com)  [www.schulergroup.com/pr](http://www.schulergroup.com/pr) |

# Press for heat exchanger plates ordered

**Japanese manufacturer HISAKA opts for cutting-edge multi-cylinder technology on 15.000to press to achieve superior product quality**

*Göppingen, July 23, 2015* – The Japanese manufacturer HISAKA, a leading supplier of heat exchangers in Asia, recently ordered a 15.000to hydraulic press with multi-cylinder technology from Schuler. The press facility will be delivered by Schuler to a HISAKA production site in Malaysia this year. By mid-2016, it will go into operation there to produce heat exchanger plates from stainless steel or titanium in superior quality.

An industrial heat exchanger is made up of about 500 to 1,000 embossed plates, which can reach a size of up to several square meters. Liquids are heated or cooled by passing between the plates. The embossed flow channels are created in a typical herringbone pattern.

In order to form these plates, Schuler has developed the multi-cylinder technology, which combines several short-stroke pistons in a single cylinder plate. Depending on the size of the heat exchanger plate, different hydraulic circuits can be selected with varying pressures being generated and applied individually permitting the uniform distribution of the press force across the entire surface of the plate.

The process is capable of achieving an accurate and uniform embossing depth with less than one tenth of a millimeter tolerance and a consistently high reproducible plate quality.

The press for HISAKA is constructed in a proven plate design, which gives the machine its necessary rigidity. Due to the upstroking functionality, the short-stroke presses are of very compact design. The production rate of the press is four heat exchanger plates per minute. It is is equipped with a crossbar vacuum-cup feed system from Schuler for the automatic destacking and feeding of the plates into the press.

Thus, HISAKA can produce heat exchanger plates with accurate and uniform embossing depths and minimum tolerances – in a consistently high quality.

### Captions

Bild1.jpg: The Japanese company HISAKA has placed an order with Schuler for a 15,000-metric-ton press with multi-cylinder technology.

Bild2.jpg: This enables the production of heat exchanger plates from stainless steel or titanium in consistently high quality.

*Please name Schuler as the photo source.*

***About the Schuler Group –*** [***www.schulergroup.com***](http://www.schulergroup.com)

*Schuler is the technological and global market leader in forming equipment. The company offers cutting edge presses, automation, dies, process know-how and services for the entire metal forming industry and lightweight vehicle construction. Its clients include car manufacturers and their suppliers, as well as companies in the forging, household equipment, packaging, energy and electrical industries. Schuler is the market leader in coin minting presses and supplies systems solutions for the aerospace, railway and large pipe industries. In fiscal year 2014, Schuler posted sales of € 1.18 billion. With around 5,400 employees, Schuler is represented in 40 countries and is a member of the Austrian ANDRITZ Group.*