

## **The world largest size! Internally insulated Heat Channel Die "DS1030"**

JSW has delivered a Heat Channel Die "DS1030" with hardened cutting surface of 1,030 mm diameter for N-company in Canada. It is the largest possible size in the world now, which outer circumference is  $\phi$  1,223 mm. There are 4,000 nozzles on the cutting surface and the height including header piping is approx. 3 m. See Photo 1 as below. This die plate has the latest internally insulated heat channel structure. Vacuum layers close to cutting surface can minimize influence of PCW temperature to die plate to achieve excellent heating efficiency. And high hardness TiC of corrosion/wear resistant is bonded over the cutting surface.

This big die plate was accomplished by making full use of our best precision machining technology for large-size product, for example the new JSW's original software "DIE-STAR" to totally support design and manufacture of the die plate, and the new electric beam welding machine recently introduced to the precision machining shop in NIKKO TECHNO Co., Ltd. (JSW group).

N-company decided to change their initial plan to install our DS1030 die plate to the twin-screw extruder in their polyethylene plant (Max. processing rate 60 ton/hr) because they highly evaluate our technical support for them for many years as well as excellent performance of JSW pelletizers and die plates working all over the world.



Photo 1 Heat Channel Die of DS1030 (Internally insulated type)

### **For more information ; THE JAPAN STEEL WORKS, LTD.**

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