

## Case study

### Komatsu Indonesia

# KOMATSU



BEND

## Value Proposition – A heavy duty bending solution that satisfies budget and application

LVD's co-manufactured heavy duty series of press brakes answer the need for affordable yet capable equipment for simple to complex heavy bending applications. Co-manufactured machines deliver LVD's renowned bending technology, advanced features and a rugged, proven bending system from a brand trusted for its forming expertise.

### Co-manufacturing solutions

LVD and its joint venture company LVD-HD, partner to build machines that balance price with functionality. By offering a flexible approach to the configuration of the machine and using resources from LVD in Belgium and LVD-HD in China, the result is a heavy duty machine designed to custom suit both technical and budget needs.

Carrying the brand name of LVD co-manufactured press brakes maintain a strong residual value over time.

### Bending big buckets

As PT Komatsu Patria Attachment has discovered, the co-manufactured heavy duty press brake offers a solution that satisfies both application and budget.

PT Komatsu Patria Attachment (KPA), a joint venture company of Komatsu Indonesia, designs, manufactures and sells large buckets and blades for Komatsu excavators, loaders and bulldozers used primarily for mining applications. Products are built for local and export markets and are licensed by Komatsu. KPA uses a co-manufactured 1000 ton 5,25 meter press brake to produce the buckets.

As company President Mr. Akio Takeda explains, a co-manufactured machine was ideal for KPA's requirements.

“ If it wasn't for this solution, we would not have been able to afford an LVD high tonnage press brake and would have had to consider a lesser known manufacturer. ”

Prior to purchasing the high tonnage machine, KPA outsourced components. In an effort to expand its production capabilities and its business, Takeda considered rolling equipment, but decided that bending or “bumping” provided more flexibility and would produce the tighter radiuses needed for the buckets.

The excavator buckets KPA manufactures are massive—ranging from 6 tons up to 35 tons in weight. Buckets are produced in batch quantities of 25 maximum, using material grades of 50 to 120 kg/mm<sup>2</sup> tensile strength in 9-36 mm thickness. To handle such a large bending job, the press brake had to be robust.

“ Says Takeda: “We have several components that require a bending capacity of 500 tons or more. In our local area, it's very difficult to find a machine of that size and capability. ”





“ He adds: “We wanted a machine with high repeatability that could help us produce the components faster. ”

Realizing a wholly European manufactured heavy tonnage press brake was outside of KPA's budget, Takeda turned to LVD Indonesia for a possible solution.

#### Quality and reliability first

The co-manufactured LVD press brake provided the high reliability, quality and price that were Takeda's primary considerations.

“ We bought the LVD because we believe in quality and reliability,” says Takeda. “The components used are quality components, the assembly is high quality, and the press brake is high precision, producing extremely accurate bending results. ”

Before purchasing the machine, KPA performed stringent bending trials. It wasn't enough for the press brake to handle KPA's high tonnage requirements; it also had to improve the efficiency of its production.

“ Our orientation is focused on the customer,” says Takeda. “Price and speed of delivery are important factors to our customers and so are important factors for us. ”

The co-manufactured 1000 ton press brake has helped KPA increase its production volumes. The company currently produces 150 tons of buckets each month and by the close of 2011 anticipates that number will be closer to 300 tons.

“ We can process bucket skins very quickly and accurately,” reports Takeda. “Tooling changeover is also fast as the punches and v-dies are easy to assemble and disassemble. ”

Two workers are trained to operate the machine and have found LVD's bending technology, particularly the press brake's control and programming system, easy to learn and use. Takeda reports he's pleased with the service and support he's received from LVD's local Indonesia office.

“ For KPA, the co-manufactured press brake was the right investment,” says Takeda. “We have high confidence in the machine, its durability and reliability, and in the LVD brand. ”

[www.komatsu.com](http://www.komatsu.com)

#### LVD Company nv

Nijverheidslaan 2  
B-8560 Gullegem

Tel.: + 32 56 43 05 11  
Fax: + 32 56 43 25 00

[www.lvdgroup.com](http://www.lvdgroup.com) [marketing@lvd.be](mailto:marketing@lvd.be)

