PRESS UPGRADES
HOW TO TRANSFORM YOUR OLD PRESS INTO A NEW AND POWERFUL MACHINE — SAVE MONEY, AND BOOST YOUR PROFITS!

The Three Week Miracle:
A Full Press Upgrade, On-site

Hydraulico offers complete press upgrades, done in just 3 weeks, on virtually any kind of hydraulic press.

With a Hydraulico Upgrade, customers get a completely new hydraulic piping, including tank, pumps, cooling/filter system – and a totally new electrical system, including sophisticated electronic systems and a brand new Siemens control panel with customized Hydraulico software solution.

The Hydraulico team brings everything with them to the location – and within three weeks, delivers a press, upgraded to today's standard. Productivity gains ranging from 100-200% are not unusual.

Details on pages 2-3

more stories:

Straightening the Plates: Hydraulico Press for Shipyard

A new solution to an old problem: Hydraulico developed a specialized press for straightening steel plates for ship hull construction which operates in all three dimensions…

Tracking Success: Rail Forging Line Up and Running

Keith Churm, Managing Director of the Balfour Beatty Rail Track Systems Ltd. is pleased with their new production line, designed and built by Hydraulico. In fact, he wrote us a nice letter…

Hydraulico Production Line: Hydraulico to Deliver Huge Project in China

Hydraulico has signed a contract to deliver a complete, automated production line for switch rail forging to a new factory in Zhuzou, China. The system, which costs $ 7.3 million, will be delivered in 2008.

Get the facts
PRESS UPGRADES, ON-SITE

Three Weeks Is All We Need

It's like an all-new press: A Hydraulico Upgrade will transform virtually any press into a high-performing, top-modern machine – the result is significantly increased productivity, reduced scrap rates, and improved safety.

The cracks and spots in the paint of the old press frame will probably be the only indication of your press' actual age after a complete Hydraulico upgrade.

Because when it comes to power, efficiency and smooth operating, an upgraded press will perform almost exactly as well as a brand new press. And there's a reason for that.

We custom-build a new hydraulic manifold for your press, based on the Hydraulico Power Block Stack System. This unit will be the "heart" of the new hydraulic system.

A Hydraulico upgrade involves a total replacement of every vital part of the old press with new components, providing the newest and best in press technology, tailor-made to fit into the existing machine.

You can save money
A typical Hydraulico Upgrade costs about 40-50% of the price of a new press. And with productivity increases ranging from 100%-200%, an upgrade may turn out to be the better decision in many cases.

Moreover, an upgraded press will also allow significantly quicker tool change, because the new control system stores all necessary data for every tool. The operator simply calls the relevant preset, and the press is ready for work.

The upgrade is done on location
We know that you need your press for production and don't want to see it out of production line for too long.

That's why we have developed a unique concept: The Three Week Miracle.

Careful preparation, combined with our extensive knowledge of press technologies let us guarantee that three weeks is all we need to get the job done.

We bring everything with us
The Hydraulico team brings everything with them to the location – typically stored and transported in a 40-feet container. On location, the team unpacks everything and goes to work, and, within three weeks, delivers a press, upgraded to today's standards.

You don't leave until everything works perfectly
The new control systems will work seamlessly with your existing production tools and production routines – and add several new functionalities to your press.

A suite of tests – with your tools – are performed during the last 2-3 days of the three-week period to check that everything runs flawlessly. Finally, our engineers will make sure that your personnel is thoroughly updated on the new technology. Everyone will be carefully instructed and get hands-on experience with the new system. With the upgrade, we deliver a detailed documentation.

For future support, the system's built-in modem allows Hydraulico engineers to monitor, support and even upgrade your system remotely over the internet.

A safer and better working place
An update also creates a much safer, cleaner and more quiet working environment. All components installed in a Hydraulico Upgrade comply with current EU safety specifications.

Contact us for more information
If you would like to learn more about Hydraulico Upgrades, please contact us – find contact information at the back of this newsletter!
A Complete Hydraulico Upgrade: This Is What You Get

The frame is all there is left from the past: Every vital part of your press will be replaced by new, up-to-date components – using only the best from today’s leading press technologies.

Astonishing Results

A complete Hydraulico Upgrade will boost your productivity and profit:

- Higher production capacity (typically a 100-200% increase)
- Substantially reduced scrap rates
- Drastically improved uptime (typically as high as 98%)
- Reduced time for die change (typically reduced by 50%)
- Reduced power consumption
- Reduced noise levels
- A safer, cleaner and more quiet working environment
- New, useful features added to press functionality

RECENT UPGRADES: FRANKE / W&G Sissons Ltd.

Hydraulico Upgrade, July 2006
A John Shaw press is undergoing final inspection and testing by Hydraulico staff after a complete upgrade at the FRANKE company W & G Sissons Ltd. – a UK-based enterprise manufacturing steel sinks, catering equipment, and sanitaryware.

Hydraulico Upgrade, August 2006
A 5500T rubber pad press at the FRANKE company W & G Sissons Ltd. is almost ready for production testing after an upgrade. The press had been severely damaged in a fire at the factory a few months earlier.
Let's talk straight: Powerful Press Solution
Steel Plate Straightening Press for Lindoe Shipyard, Denmark

Hydraulico develops a new solution for an old problem

When the flat steel plates that shipyards use for the construction of ship hulls are cut out in long, square “stripes” (up to 25 m, app. 80 feet long), the plates will inevitably bend – vertically as well as horizontally. To fix this, shipbuilders used to straighten the plates with various mechanical and/or hydraulic devices – a tedious and often time-consuming process. The shipyard’s engineers approached Hydraulico and asked us to come up with some new ideas.

Working in 3-D space

Hydraulico’s solution to the problem was an entirely new press design that allows the press operator to reshape the plates in all three dimensions – simultaneously. The forming pressure is delivered by two 600T cylinders (horizontally) and two 200T cylinders (vertically), and the plate is moved through the press opening by a conveyor system.

The movements of the plate and the actual forming of the plates are controlled through a sophisticated control panel with a joystick and a small number of switches, allowing extremely quick and precise straightening of each plate.

“Second to none”: Rail Forging Press Line

Keith Churm, Managing Director of the Balfour Beatty Rail Track Systems Ltd. is quite pleased with the new automated production line designed and built by Hydraulico (see Hydraulico Newsletter no. 1).

In fact, he wrote us a nice letter expressing his gratitude. We quote:

“Hydraulico has been working very closely with the company […] on the supply of a new switch forging machine […] I know that the project because of its complexity has posed some problems along the way, but our teams have worked hard to resolve these and we now have a state-of-the-art switch forging system in operation that is in my opinion second to none in the world and is in any case the most modern installed equipment within the supply industry.”

More information at www.hydraulico.com