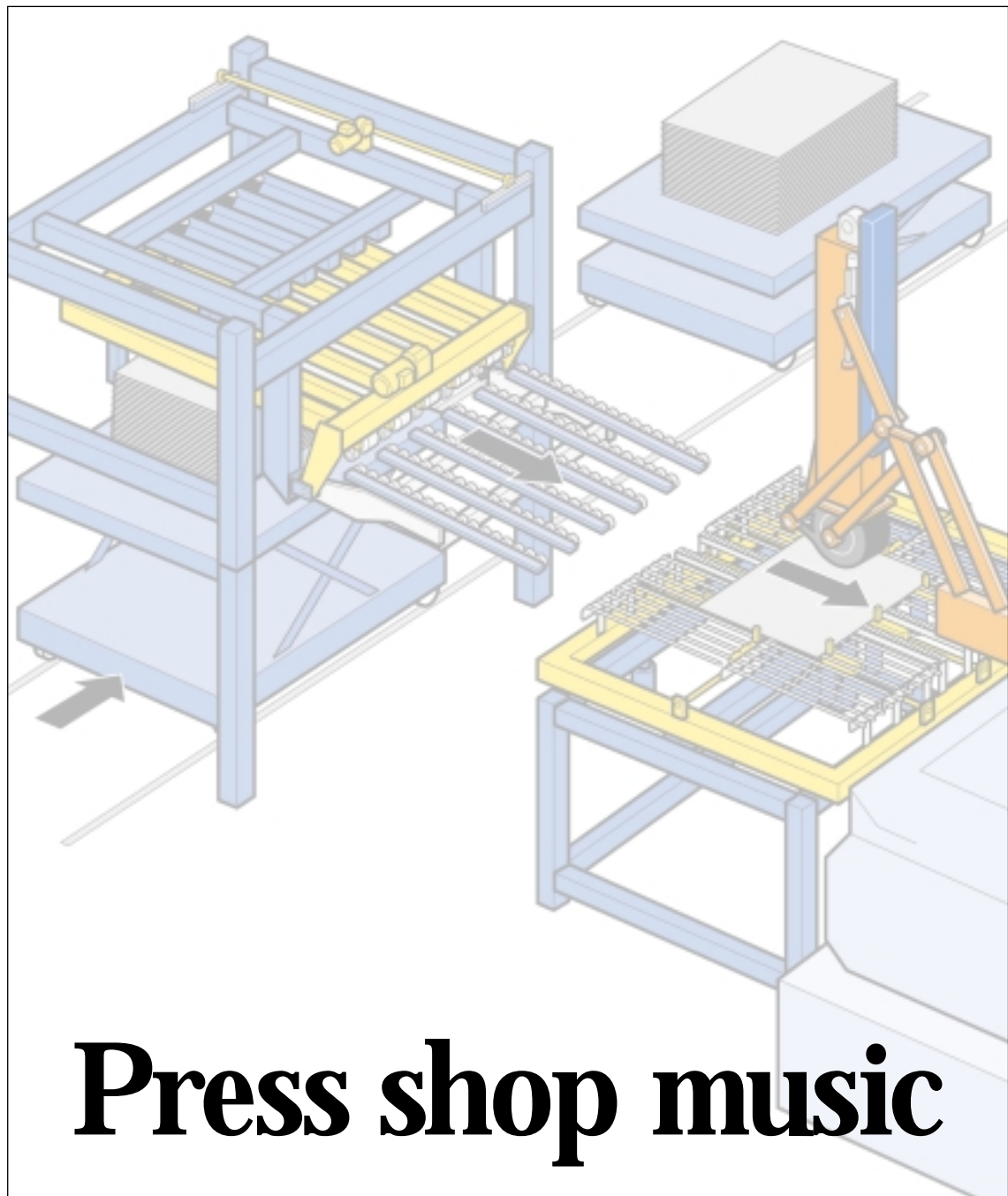


Press Automation Systems

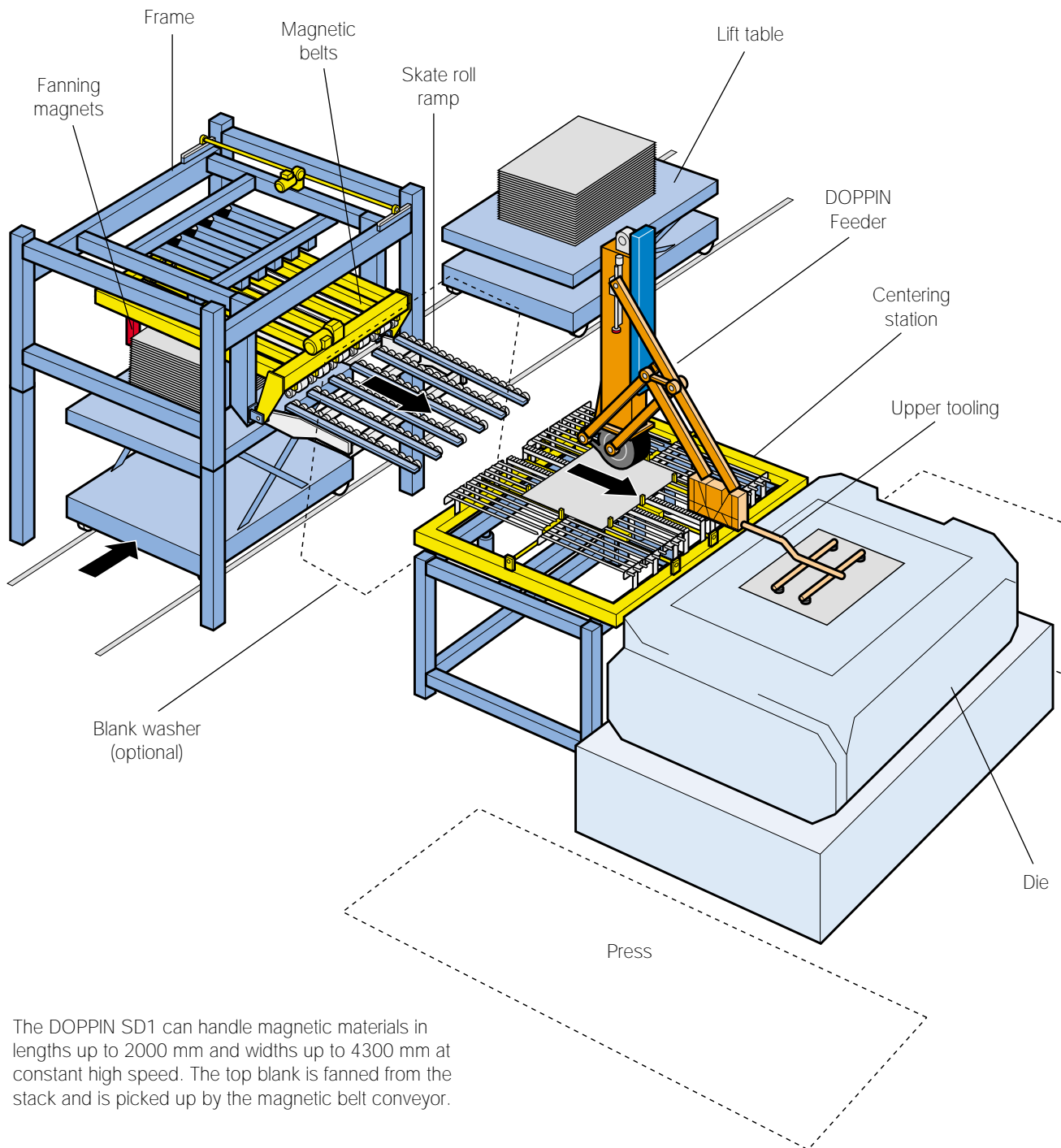
DOPPIN SD1 and DD1 LINEFEEDERS/DESTACKERS



ABB

Music in the ears of

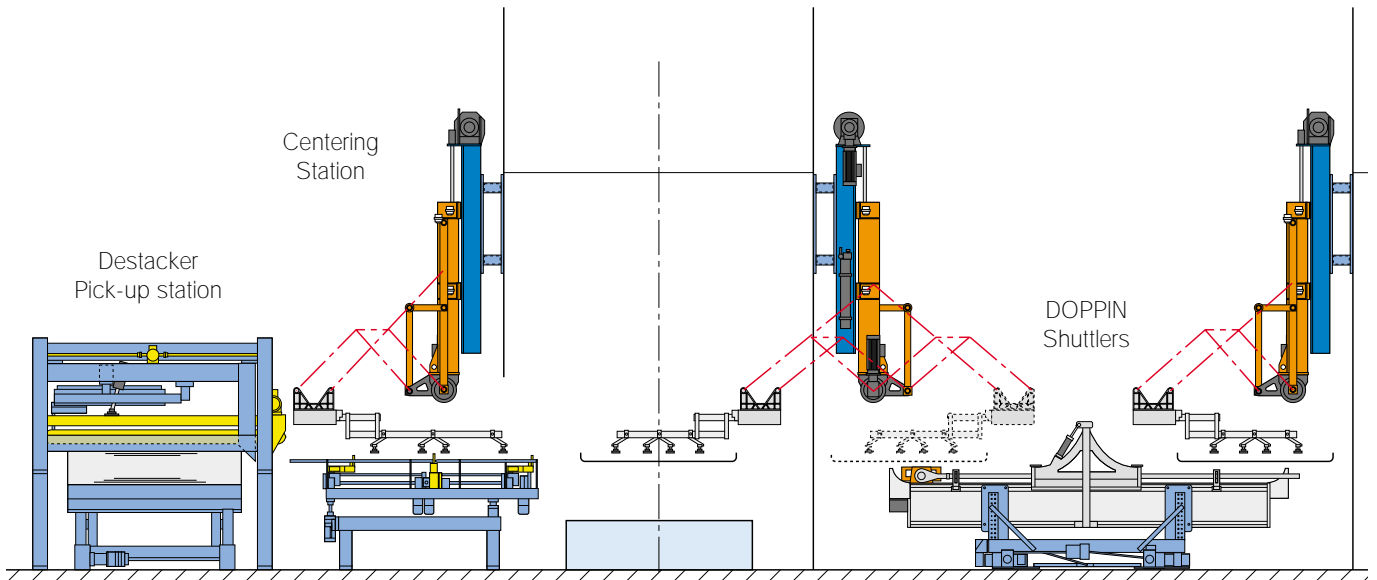
DOPPIN SD1 Linefeeder/Destacker



The DOPPIN SD1 can handle magnetic materials in lengths up to 2000 mm and widths up to 4300 mm at constant high speed. The top blank is fanned from the stack and is picked up by the magnetic belt conveyor.

of the engineer:

DOPPIN PM2D2 Feeders



The DOPPIN SD1 Linefeeder/Destacker is an advanced and integrated component of the programmable DOPPIN system for automated production on press lines.

It is an excellent instrument for separating flat ferrous metal blanks and feeding them into the lead press in the line.

Fast, precise action

Two travelling electric lift tables deliver stacks of flat blanks to the pick-up station. The stack is positioned and elevated to the pick-up position.

The top blank is fanned from the stack and picked up by the magnetic beltconveyor, which transfers it via a skate roll ramp to a centering station.

The centering station is equipped with a number of automatically adjusted stops for positioning the blank. From here the blanks are picked up and placed in the die of the lead press by a DOPPIN Feeder equipped with suction-cup upper tooling.

Basic equipment

Pick-up station
Lift tables
Centering station
DOPPIN Feeder

Option

Blank washing or lubrication accessory.

Dual pick-up

The DOPPIN SD1 can also be supplied with a dual pick-up station for continuous operation at increased capacity. This version, with equally effective magnetic blank separation, is called the DOPPIN DD1.

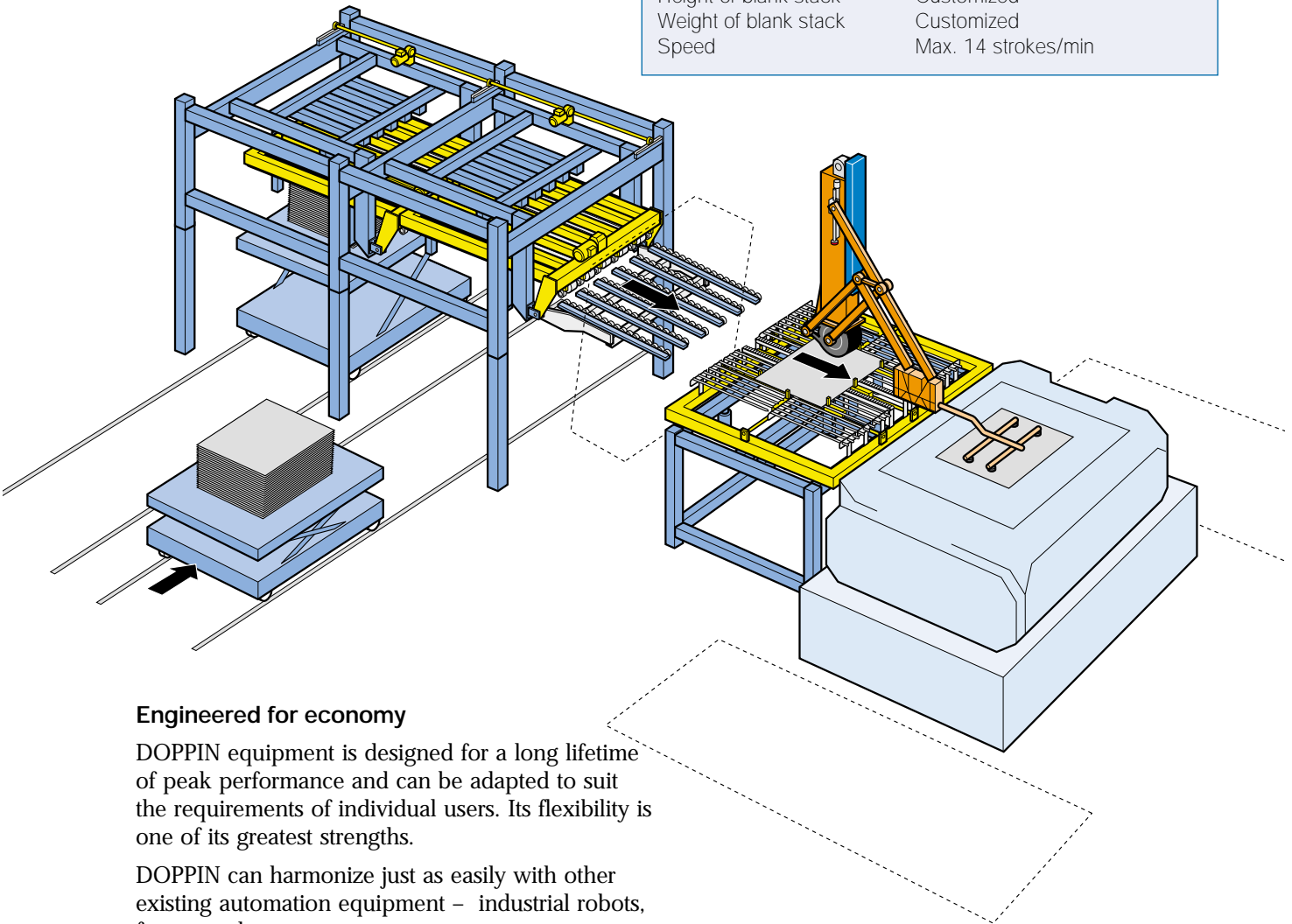
The entire process can be controlled manually from the control panel or automatically by the PLC system.

The flow of work is always optimal, in strict tempo, right on the beat. A virtuoso performance.

DOPPIN DD1 Linefeeder/Destacker

Handling capability, DOPPIN SD1 and DD1

Blank size in feed direction	Front to Back = 200 – 2000 mm
Blank size in cross direction	Left to Right = 670 – 4300 mm
Height of blank stack	Customized
Weight of blank stack	Customized
Speed	Max. 14 strokes/min



Engineered for economy

DOPPIN equipment is designed for a long lifetime of peak performance and can be adapted to suit the requirements of individual users. Its flexibility is one of its greatest strengths.

DOPPIN can harmonize just as easily with other existing automation equipment – industrial robots, for example.

When all the parameters of speed, load and endurance are finely tuned, DOPPIN makes really beautiful music – the kind that both engineers and controllers love to listen to.

We are talking here about the world's arguably fastest, most powerful and most durable precision equipment for automated production on press lines. We are talking about quality. Quality pays.

Control system

DOPPIN UHS/OS44, S4C Plus.

The manufacturers reserve the right to change specifications, components, etc. without notice.

the controller:

When you invest in DOPPIN systems to automate a press line you are investing in real know-how, because real know-how is based on first-hand experience.

First-hand experience from the automotive industry

The people who developed DOPPIN are specialists in systems and equipment for optimized processes for car and truck production. That and nothing else.

They have designed and installed fabrication and automation equipment, whole assembly lines and even whole factories.

In doing so they not only created their own technology, but also made maximum use of existing equipment and so developed production flows to the point of excellence.

The DOPPIN system passes every test: always the shortest path, always the simplest solution. The simple solutions are always the best ones. Every component of the system is selected and designed according to that principle.

Real know-how

We are talking about quality based on in-depth knowledge of how to achieve optimal, cost-effective flows in production processes.

The DOPPIN system as a whole and all its individual components have been tried and proven on the toughest test bench there is: in real life, in daily production in hundreds of press shops all over the world. With unfailing long-haul speed and precision, even when handling large and heavy stampings.

It is flexible too. DOPPIN can be adjusted even during a production run, without holding up the flow and without loss of quality.

Customized systems

The DOPPIN system is easily adapted to any requirement, whether functional or economic. It can be set up as a complete, fully automated line, or parts of it can be used to boost speed, precision and uptime in co-operation with existing equipment.

It can be combined with industrial robots. With the right tempo and the right loads, that makes the press line truly flexible.

That's the way it is.

Everything is there. Real know-how. And everything is easy to maintain, service and operate.

Service and training

Each piece of equipment comes with practical servicing and training material, easy-to-follow manuals and instructions. Training and service packages, like the equipment itself, are matched to the needs of the individual user.

A guarantee

So DOPPIN in a press line is really a guarantee – of functionality and smooth flow. That's why DOPPIN is music in the ears of controllers as well as engineers. Real know-how pays off. You can count on it.

Talk to us

We can help you all the way, from needs analysis to the finalized design and on to installation, commissioning, training and service. We can do it quickly, so that payback time starts that much sooner. We take pains to look after our customers – who are also the first to be informed about new DOPPIN developments.

You are welcome to talk to us about all aspects of press line automation. Financing problems, for example, need not stand in the way of your investment in an optimum system. As part of ABB, we have both the technical and the economic resources to satisfy your requirements.

Your own request concert

There is a questionnaire enclosed with this folder. You can use it to tell us what kind of instruments you have in your press line so that we can suggest an optimum ensemble.

To save time you can fill out and forward the questionnaire and we will get right back to you with a proposal.

If you want to discuss other kinds of production or assembly lines, we'll be happy to talk to you about that too.

Whatever your requirements, we promise to do our utmost to compose a request concert to your liking.



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