

technotrans

THE PRINTING WORLD OF

 technotrans
technocenter

 tech

 **technotrans**

technology and services

Printing world

We are living in an information age. In whatever form information is being supplied, technotrans products are involved – world-wide.

As the world's market leading systems supplier, we fully equip numerous printing presses from major manufacturers ex works and are an expert partner to printing houses around the world. The success of technotrans is the result of a clear strategy: innovation, a clear focus on core skills, and a corporate culture that focuses on customer requirements.

The product range has been steadily expanded in recent years, and currently includes:

- Dampening solution circulation and filtration
- Ink roller temperature control
- Central cooling systems
- Spray dampening systems
- Ink feed systems and ink supply systems
- Systems for varnish processing
- Processing systems for washing agents
- Cleaning systems for developer fluids



The company

technotrans is a technology and service company that has specialised in high-tech systems for the production of print media and microstructures. Liquid technology is our core skill. As a systems supplier, technotrans is also a development partner of the leading printing press manufacturers.

Superior technology and a worldwide presence are the basis of our success. Indeed, many of our products now represent the industry standard, the automation of processes is boosting productivity and facilitating the task of printers, and reprocessing and filtration systems are preserving resources and cutting operating costs.

Quality is our goal

technotrans supplies a large proportion of its products directly to printing press manufacturers. They frequently equip their presses with technotrans equipment as standard. In order to satisfy their requirements and live up to the expectations of end customers, technotrans ensures quality is its absolute priority.

DIN ISO 9001 accreditation is just one aspect that ensures that all processes are designed with an eye to quality. All devices are in addition put through exhaustive, computer-based intermediate and final testing to ensure that they function perfectly.

Read on to discover more about these and other topics. Get to know the world of printing at technotrans!

But technology is not ultimately what matters most to us: we treat customer satisfaction as the measure of our every action.

Our products

The product area of dampening solution circulation and ink roller temperature control...

...embodies world-beating, mature technology based on more than 30 years of experience in the development and production of such systems.

Every combination of equipment requirements is satisfied by our four different model lines of dampening solution cooling and ink roller temperature control devices for a wide variety of applications and a comprehensive accompanying range of measuring and metering technology.

alpha.line

Primarily for use in small to medium-format sheet-fed offset and narrow web offset:

alpha.d dampening solution circulation units,
alpha.sd dampening solution circulation units for spray dampening systems,
alpha.t ink unit temperature control units,
alpha.c combination units.



beta.line

Primarily for use in medium to large-format sheet-fed offset:

beta.d dampening solution circulation units,
beta.t ink unit temperature control units,,
beta.c combination units,
beta.f dampening solution filtration units,
beta.z individual-zone temperature control units.



gamma.line

Primarily for use in newspaper web offset:

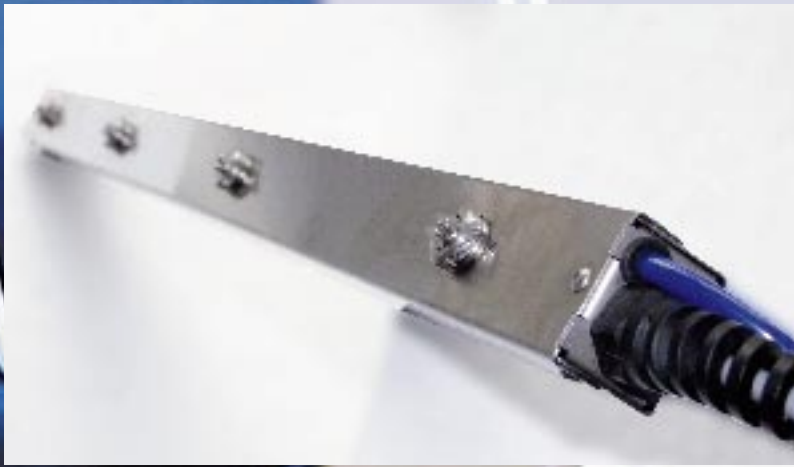
gamma.d dampening solution circulation units,
gamma.sd dampening solution circulation units for spray dampening systems,
gamma.t ink unit temperature control units,
gamma.c combination units.



delta.line

Primarily for use in commercial web offset:

delta.d dampening solution circulation,
delta.sd dampening solution circulation units for spray dampening systems,
delta.t ink unit temperature control units,,
delta.c combination units,
delta.z individual-zone temperature control units.



Spray dampening units

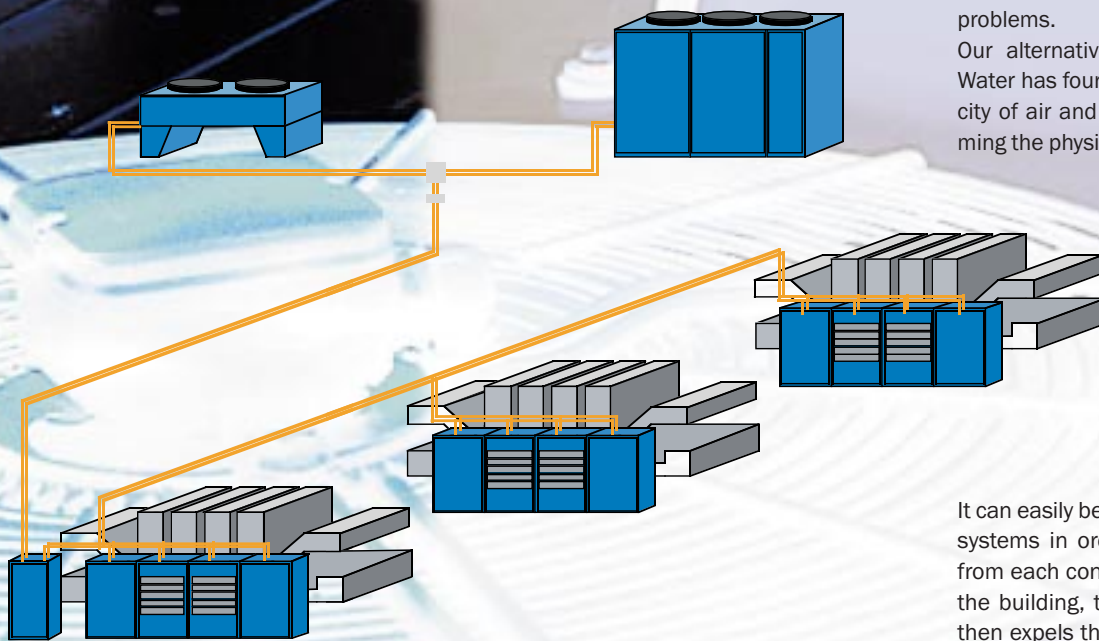
Spray dampening units are an important part of heat-set and web newspaper printing presses and have a high impact on the quality of the printing result. technotrans proposes an answer to every set of requirements with an entire range of spray dampening systems. The **microspray.line**, for example, is a product range incorporating outstanding basic technology and integral detail solutions.

Central water cooling systems

for sheet-fed offset

The production speed of printing presses has steadily risen, and air-cooled devices are discharging more and more waste heat into the printing hall. This causes unstable air conditions that result in corresponding quality problems.

Our alternative solution is water cooling. Water has four times the specific heat capacity of air and is the ideal liquid for overcoming the physical restrictions of air systems.



It can easily be transported in enclosed pipe systems in order to discharge waste heat from each connected peripheral unit out of the building, to a central cooling unit that then expels the heat into the outside air.

perfectcool

Refrigeration units for web offset and newspaper printing

A **perfectcool** refrigeration unit assures a reliable and economical supply of cooling water supply for every web press.

One cooling water circuit or several, low or high power requirements, cold, hot, dry or humid climate... we develop a tailor-made concept for every set of requirements

Our customised solutions are based on over 20 years of experience in designing and building central cooling systems for the printing industry.

Temperature control systems

for digital printing

Constant temperatures are essential in digital printing, too, and highly advanced temperature control technology is often necessary. Once again, technotrans is able to provide an array of complex solutions for various systems.



The product area of ink supply systems

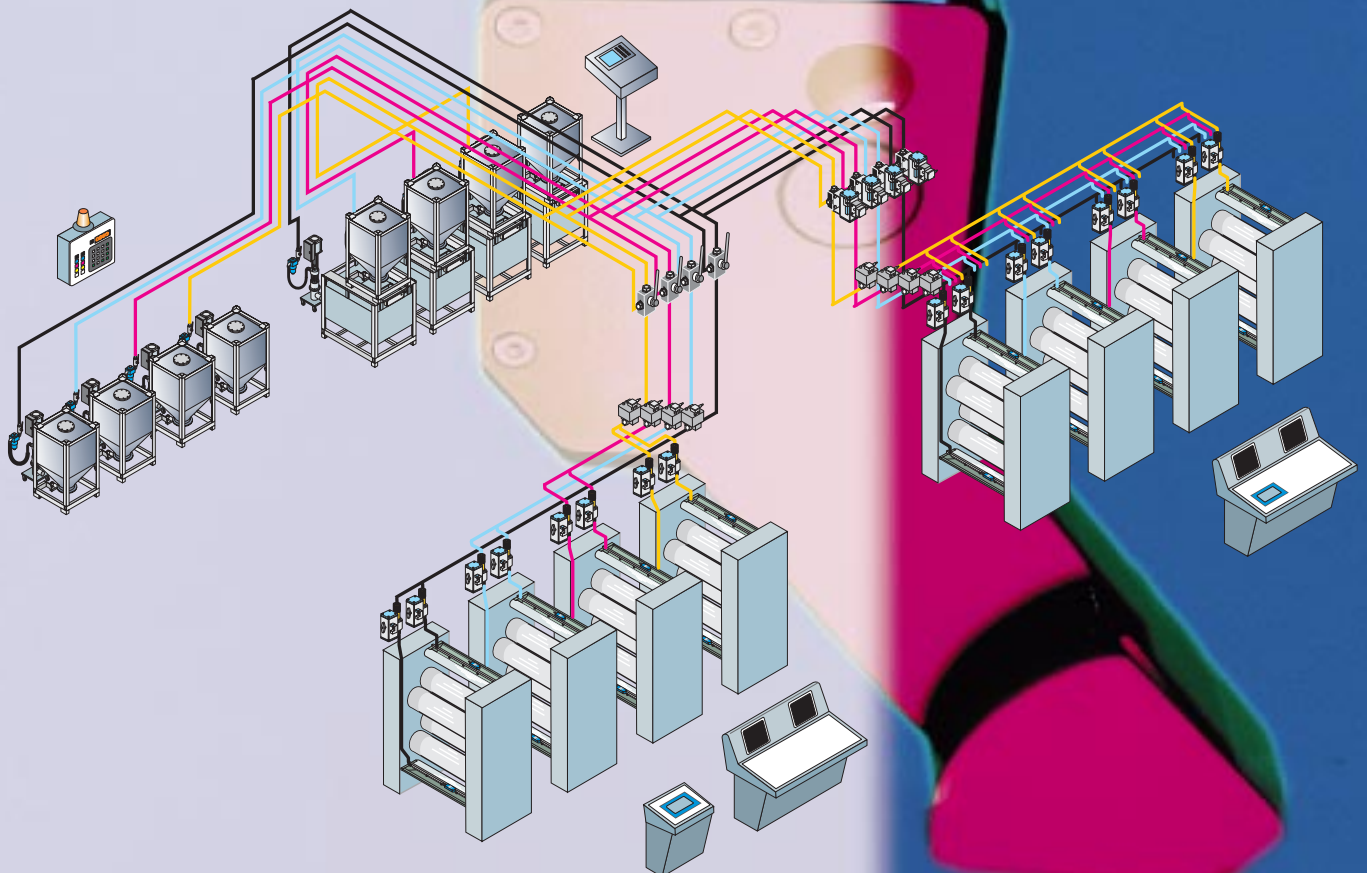
The ever higher performance of printing presses is also prompting a steady increase in the level of automation required in the production process. This requirement likewise applies to the domain of ink supply.

technotrans supplies various ink dispensing systems based on 2 kg cartridges for **sheet-fed offset**:

- **easy.fill** for manual operation,
- **handy.fill** for manual operation,
- **ink.line** for fully automatic operation,
- **direct ink.line** for supply from 2 kg cartridges or barrels with changeover facility,
- **ink.mate** ink agitator system.

For **heat-set and newspaper printing**, technotrans can propose central ink supply systems for barrels, containers or tank systems, comprising the components:

- Tank systems and containers with the corresponding monitoring systems,
- Ink pumps with pneumatic or hydraulic drive,
- High-pressure pipework systems and fittings,
- **calcu.ink** ink consumption metering,
- **ink.trac**, **multi.fill** und **auto.fill** ink level control systems for the ink duct,
- **tecon.control** und **office.line** control and visualisation systems.





The product area of varnish preparation

Ambitious aims call for innovative technology. The finishing of printed products by means of print varnish has been commonplace for many years. Once again, technotrans offers ingenious systems for example for varnish preparation.

The **alpha.v** line guarantees a surface finish of the highest calibre, thanks to varnish circulation with automatic cleaning.

Systems that preserve resources

Washing agent is expensive. That is why technotrans supplies a system that reconditions it. A clean solution, not just for the environment: it also leads to a considerable reduction in costs. There is no need to buy in replacement supplies for something that you can now re-use.



ecoclean.line washing agent recycling systems comprise a filtering unit, a waste water processing unit and the corresponding tank systems. Systems for the supply and disposal of washing agent for sheet-fed and web offset are also available.

dampclean.sd cleans the liquid returning from the spray dampening system by means of ceramic membranes and feeds the clean dampening solution in a controlled way back into the printing circuit.

The **beta.f** is a fine filtration unit which filters the dampening solution continuously in the bypass to the dampening solution system, thus extending the dampening solution replacement intervals many times over and minimising the cleaning tasks.



spinclean.d is an innovative dampening solution cleaning system specially designed for web offset printing and based on a separator; it therefore does not require any expensive consumables.

spinclean.ctp, the system that regenerates developer fluids in the pre-printing stage, likewise operates on the basis of separator technology. It offers considerable cost-cutting potential as it ensures efficient cleaning without the need for consumables. The costs of purchases, cleaning and disposal are substantially reduced.

Innovations

It is a logical consequence of our corporate philosophy "think – learn – act" that every year, we invest a higher than average level in research and development.

As a result, the product range is steadily being expanded. In close cooperation with leading printing press manufacturers and by listening to end customers, lateral-minded teams develop innovations that set standards in our industries.



The development of the centrifugal separator for consumable-free filtration is a good example. It enables our customers to cut consumption of valuable resources and avoid time-consuming cleaning work.

Before newly developed products go into serial production, they are investigated in extensive field tests and optimised from a practical viewpoint. After all, they are intended to deliver real benefits for the customer – from the very first day onwards.



Service

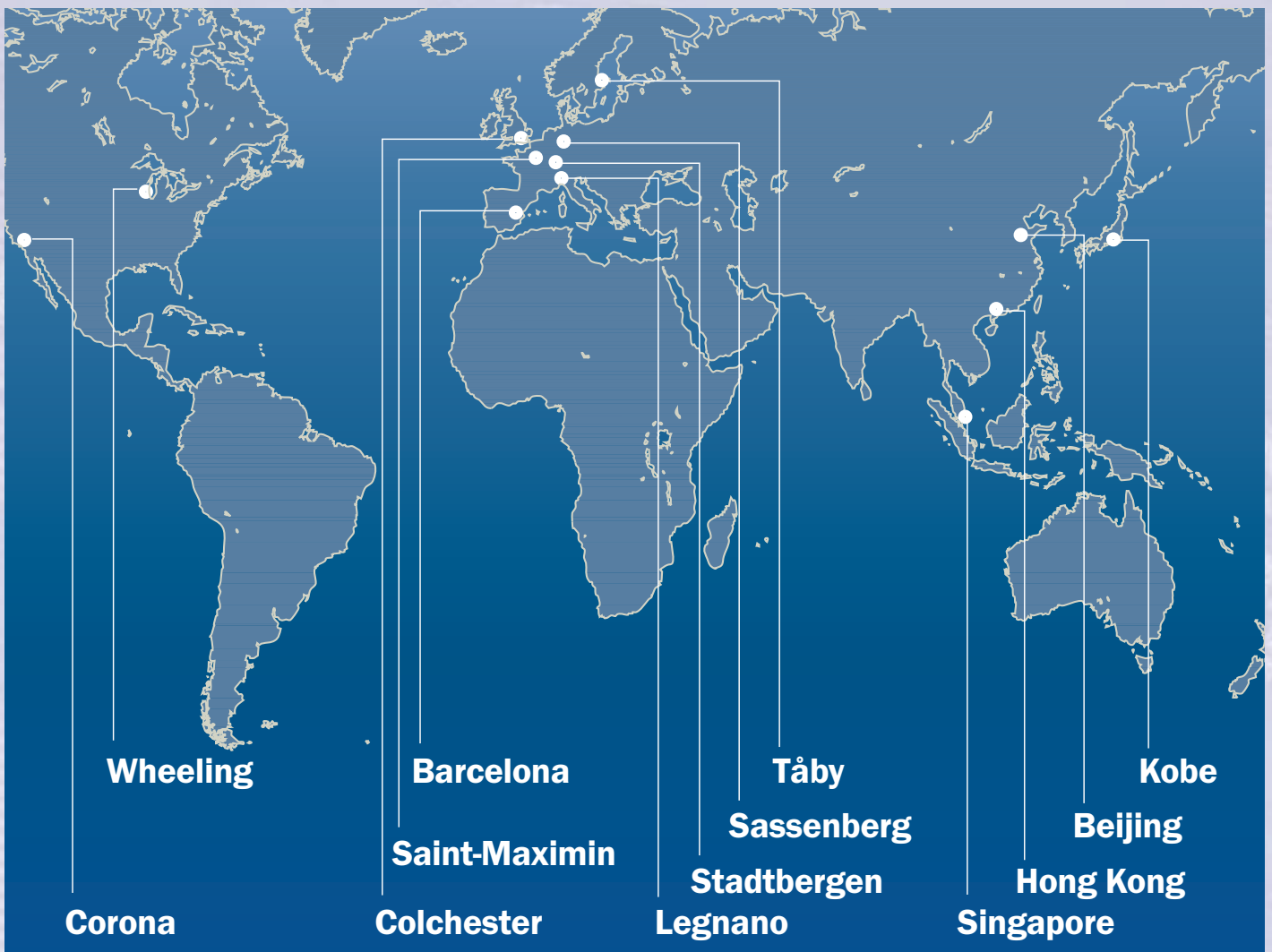
technotrans systems are involved in the controlling and monitoring of critical processes in offset printing. We personally ensure that constant operating reliability is upheld!

Our international hotline, whether via the phone or the Internet, co-ordinates the deployment of highly qualified technicians worldwide, ensuring with the minimum of bureaucracy that they are on site as swiftly as possible. Our service personnel always have the latest training and provide support for users on all matters ranging from installation

and maintenance to the fitting of replacement parts. Tailormade logistics and our international presence ensure that remedies to problems are found rapidly and at minimum cost.

Leading technology and creative solutions from technotrans have proven themselves worldwide – satisfied customers are our best possible reference!





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