

JHT Jakobs-Houben Technologie GmbH

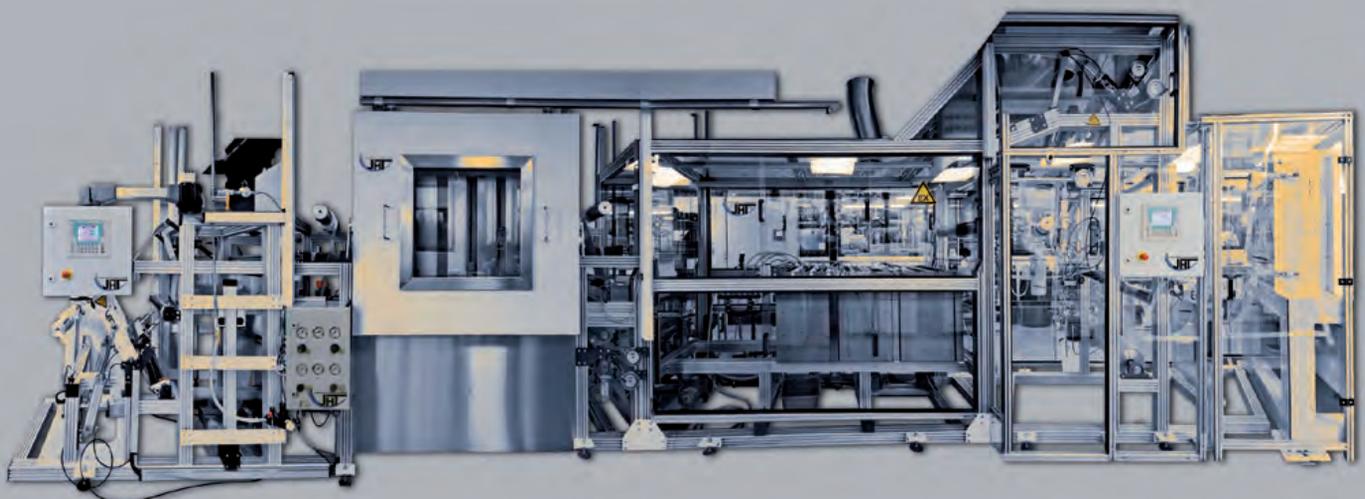
Plant solutions



Coating
Laminating
Impregnating

Coating heads
Laminating units
Winders

Plant modifications
Pilot plants
Complete lines



Introducing ourselves – from top to bottom

JHT Jakobs-Houben Technologie GmbH

The initials JHT stand for the two founders Peter Jakobs and Alexander Houben. Both gentlemen are mechanical engineers and have been working in the field of coating technology for many years.

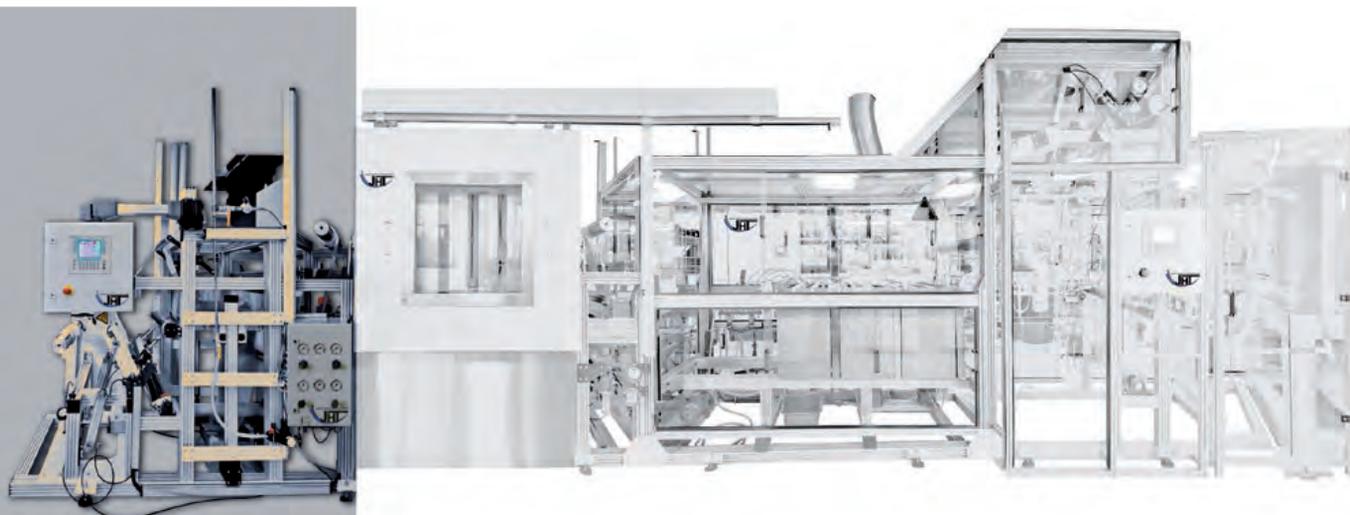
The company has been located in the Rhineland in the Euregio between Aachen, Cologne and Mönchengladbach on the German side of the border and Liege and Maastricht on the Belgian or Dutch side of the border since 2003.

What can we offer you?

You receive complete system solutions from us from one source. From the design to the finished machine, from the unrolling to the winding up, in brief from top to bottom we are at your disposal as a competent partner to answer all your specialist questions. When planning your projects we make use of a wide-ranging pool of expertise in the mechanical engineering and plant construction sectors.

JHT – on site

We can also work for you away from our headquarters. We have experienced personnel to perform the installation and commissioning of your plants. Locations such as Hong Kong, Seoul, Vienna and Gernsbach are not just spots on the map for us. We are there when you need us.



Robust machine parts and harmonious overall packages

What can you anticipate?

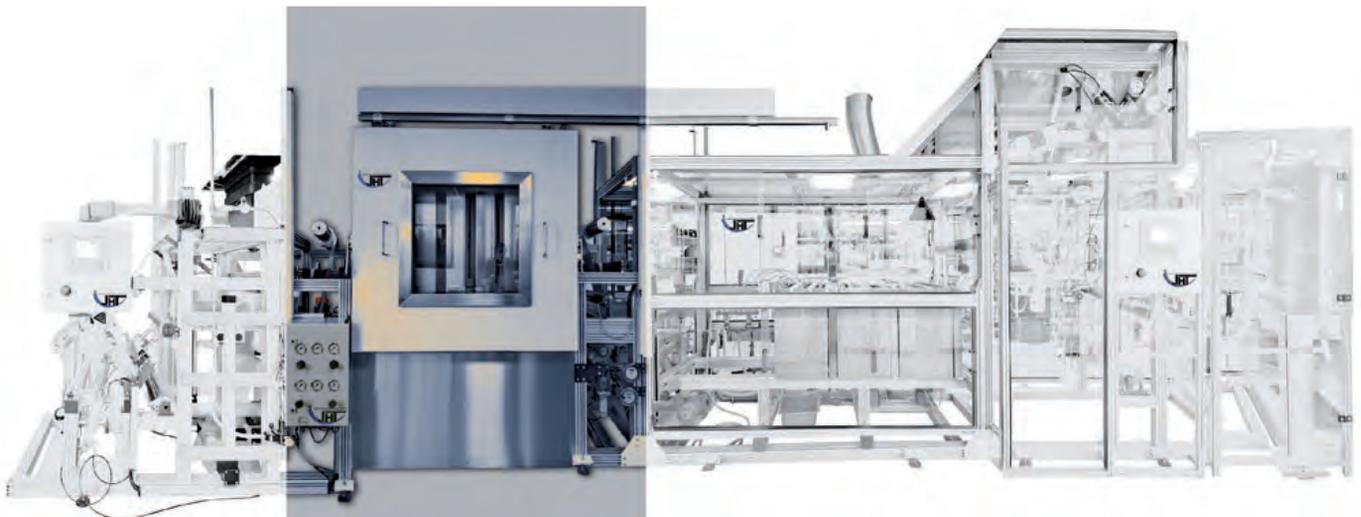
All the typical coating materials are processed on our systems, whether they be lacquers, adhesives, silicones, PVdC, waxes, resins, paraffins, hot melts, acrylates (also UV-hardened), primers, polymers or pigments.

Our engineering team gets to the heart of your design. We supply data in line with your needs ensuring the economic efficiency of your products increases whilst simultaneously minimising the manufacturing costs. In this process our JHT modular construction system is used in all those places where costs can be saved. The elements used have already proved their worth many times due to their sturdy design and ingenious technology. Irrespective of this we are able to develop special solutions tailored to your requirements quickly, creatively and flexibly and combine them to form a harmonious overall concept.

Coating of papers, films and foils:

Make use of our process expertise for the refinement of papers, foils (aluminium, copper, etc.) and films (PE, PP, PET, etc.) and their compounds. Irrespective of whether coating materials are applied in an aqueous form, in a form containing solvents or in a 100% solid body form (chemical or radiation crosslinked), you will receive the machine solution that is ideal for your application.

Our expertise is often to be found in the fine details and is the reason why we can always provide a successful coating.



JHT coating machines – a brief overview

Winders

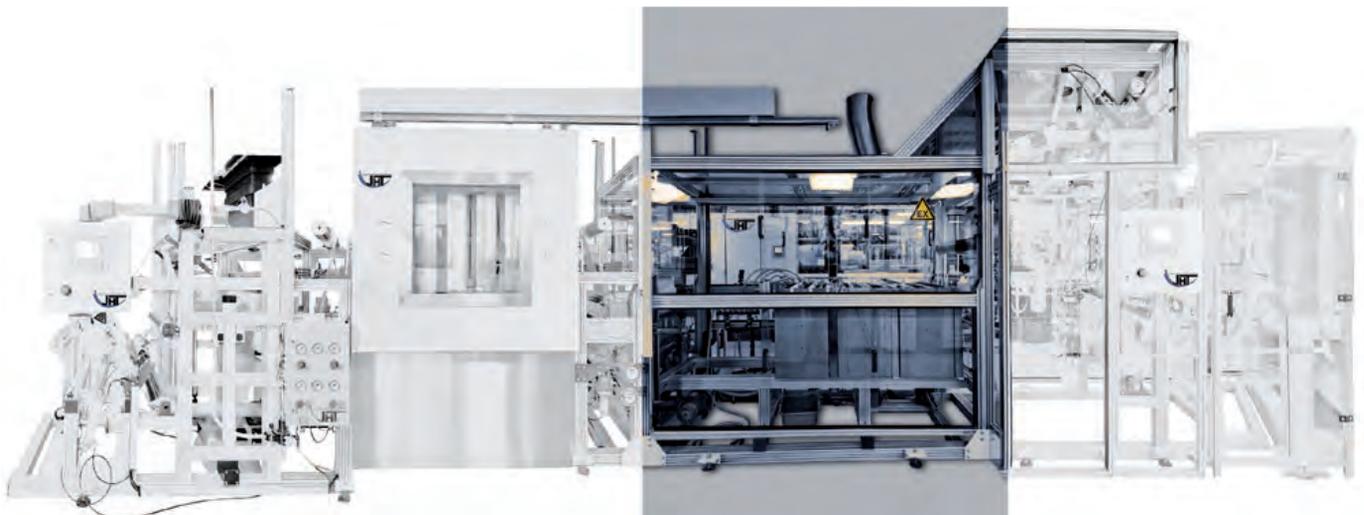
The winding is performed in the coating process from roller to roller at least twice. A third unwinding process is necessary if the product is to be laminated. Our coiling machines can wind diameters of up to 1500 mm with a maximum working width of 2500 mm. We construct both unwinders and also rewinders with reel shafts or with a shaftless design. In the case of test systems, in the labelling sectors or in the case of small working widths we can also offer a range of cantilevered machines.

Laminating units

Optionally laminating units to laminate a covering film, a liner or anti-adhesive paper are possible. We have securely installed laminating stations for typical products or swivelling laminating stations for the optimum setting of the laminating point.

Application procedure

We can supply roll applicators or blade coaters in conjunction with anilox rolls, provide a curtain coating or deliver spray elements or hot melt coatings. JHT GmbH can supply both plants for high grammages at a reduced speed and also small coating weights at high speeds.



Our components – very attentive to the small details

Nipping sections

As fixed points in a system our nipping section units are indispensable for a web tension that can be controlled well. In this process the advantages of a sturdy design are exploited accompanied by the simultaneous fine tuning of the web tension.

Roller accumulators

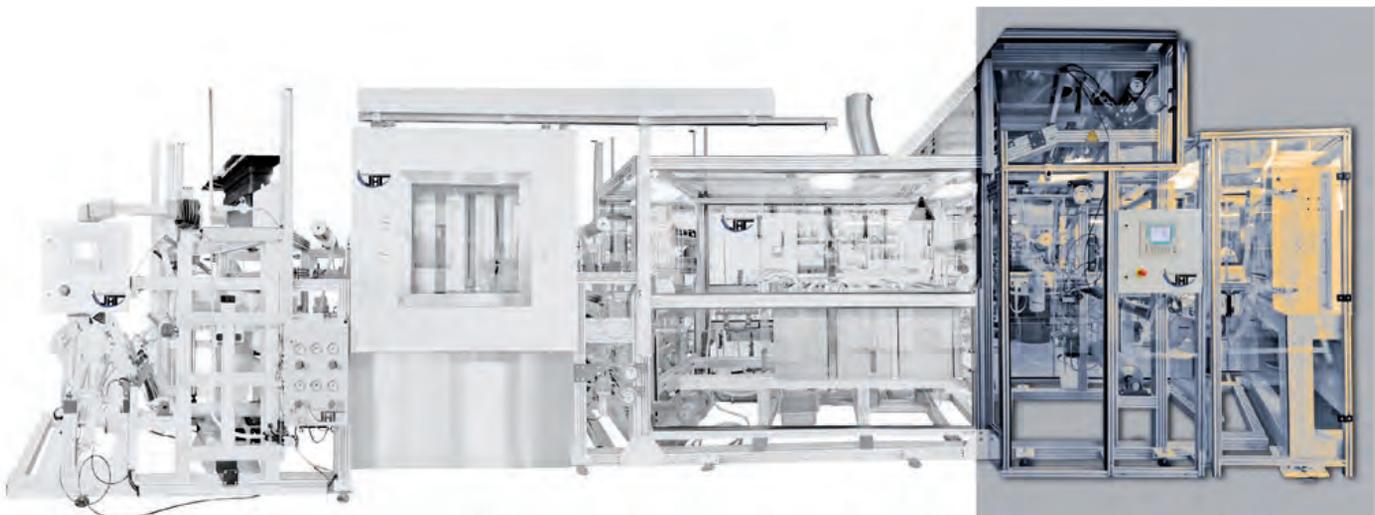
Our range of components additionally includes the JHT roller accumulator for instance which makes it possible to temporarily stop the web. Our roller accumulators are fitted with servomotors and highly accurate linear slides as standard and are therefore characterised by their very smooth operation and precision.

Driers

Hot air driers or infrared driers are used as our driers. Despite the fact that a lot of enterprises now tend to perform processing work without solvents there are still tasks that require the use of solvents. We therefore also supply our components in an explosion-proof design if necessary.

Rollers or sleeves?

We recommend the use of rollers or sleeves depending on your requirements. We employ rollers made of various materials (steel, carbon fibres, in some cases they come with a ceramic surface). On the other hand if the plants should be quickly changed over, sleeves on bodies of air have proved themselves.



References

The following coating installations have been installed and commissioned by JHT employees in the past few years:

Hainan Plastics (Hainan, People's Republic of China)
PVdC-plant

Isovolta AG (Neudorf district of Vienna, Austria)
Airdeck – fabric coating installation

Mi Pho (Pusan, South Korea)
LF Silicon – 5 roller coating installation

Isovolta AG (Changzhou, People's Republic of China)
PE – PP coating installation

Glatfelter (Gernsbach, Germany)
2 head lacquering installation, speeds of up to 850 m/min

Graf Papiere GmbH (Grimma, Germany)
Barrier coating and laminating installation

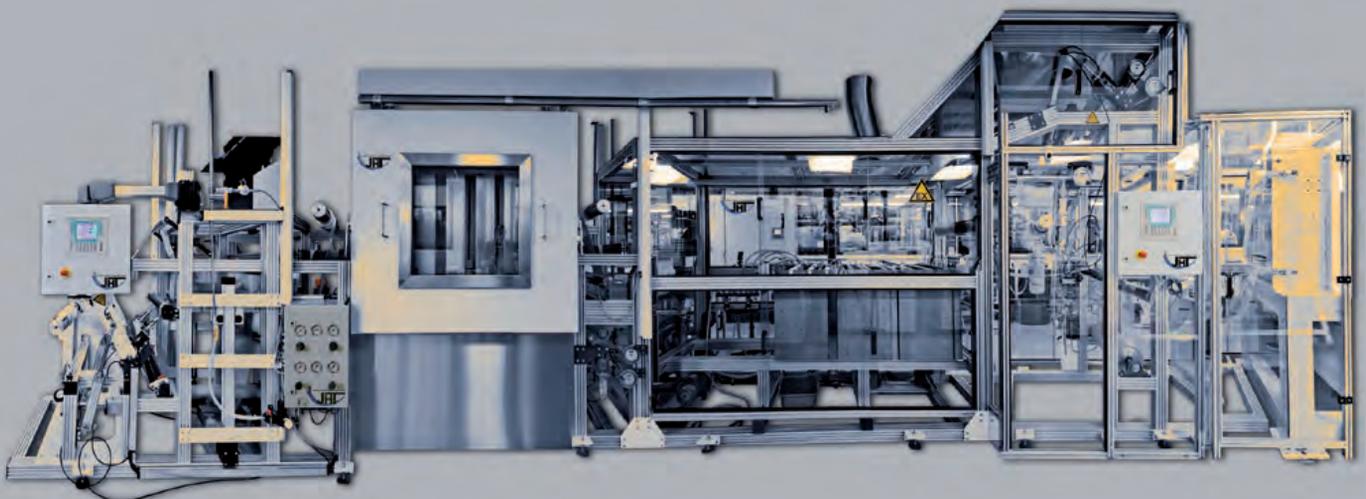
VACMET packagings (Agra, India)
2 head coating and laminating installation

Herbert Schümann Papierverarbeitungswerk GmbH
(Stadtallendorf, Germany)
Winder JHT WW 1000 A
Plant modification

Kapak AG (Muhlen, Switzerland)
Winder modification

a.m.m.

From top to bottom – plant solutions from JHT.



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