



LEADS Printing Pads



LASER MARKING PAD PRINTING CONSUMABLES SERVICE

Printing Pad Assortment

TAMPOPRINT®

Worldwide



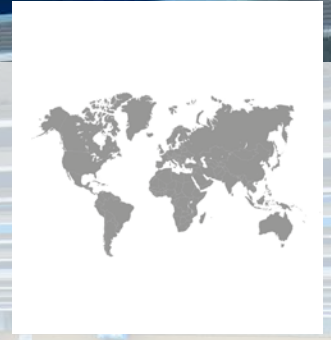
TAMPOPRINT® GmbH
Headquarters
Germany



TAMPOPRINT® Int'l. Corp.
Subsidiary
USA



TAMPOPRINT® IBERIA S.A.U.
Subsidiary
Spain



Sales Network
Europe, America, Africa,
Asia, Australia

Industrial product marking and labeling using pad printing, inkjet and lasers - that is our profession and our passion. TAMPOPRINT develops a perfectly coordinated system of machines and processes for numerous industries. Our goal: to make pad printing and laser processes better and more effective.

As a typical "hidden champion" from Baden-Württemberg, TAMPOPRINT is unbeaten when it comes to industrial pad printing and laser marking technologies that are in demand internationally. We have a special level of expertise in process and application technology. This enables us to offer coherent concepts and developments for every requirement of our customers from a single source.

technologies for your future



Printing pads

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Everything from a single source

PROCESS OWNERSHIP

Consulting

Application technology

Development

Standard machines

Special machines

Consumables

Application support

Accessories

Service

Retrofit



**PRINT/LASER-AUTOMATION
MODULE ONE S**
Pad printing and laser engraving
in one process.

We take care of the entire process

Our Mission

Your partner for pad printing, laser and inkjet systems

As a company that has been supporting customer applications worldwide for decades through in-house developments in the field of pad printing and lasers, the definition of the company mission with "100 % process ownership" is almost logical. We see ourselves as a "one-stop shop" for all customers who need a partner who takes care of their needs right from the start. Our strength here lies in the

turn-key solution, from the entry-level machine in the manual processing sector to the fully automated high-tech solution. We accompany our customers throughout their product life cycle and beyond. Driven by our mission, we not only take care of the machine, but also offer our customers all consumables from our own production sites as well as from selected suppliers.





TAMPOPRINT®

Printing Pad Production

Own manufacturing facility for printing pads

In our very own manufacturing facility, we produce a wide range of printing pads in large quantities, different qualities and shore hardnesses. During production, we place great emphasis on consistent and high quality, which is ensured by our strict quality controls.

Our annual pad production averages around 250,000 units. In the process, we use around 28 tons of high-quality silicone, which is known for its excellent properties and optimal application in our printing pads.

Another feature of our product range is the wide variety of shapes and designs we offer to our customers. A total of around 500 different active shapes are available. This wide selection makes it possible to produce the perfect printing pad for your individual requirements.

In addition, we continue to develop our product range to always offer you new, application-specific shapes as well as innovative silicone materials. This ensures that our printing pads always meet the latest standards and provide you with the best possible performance.



Printing pads

According to ORIGINAL TAMPOPRINT® recipe



Silicone Material

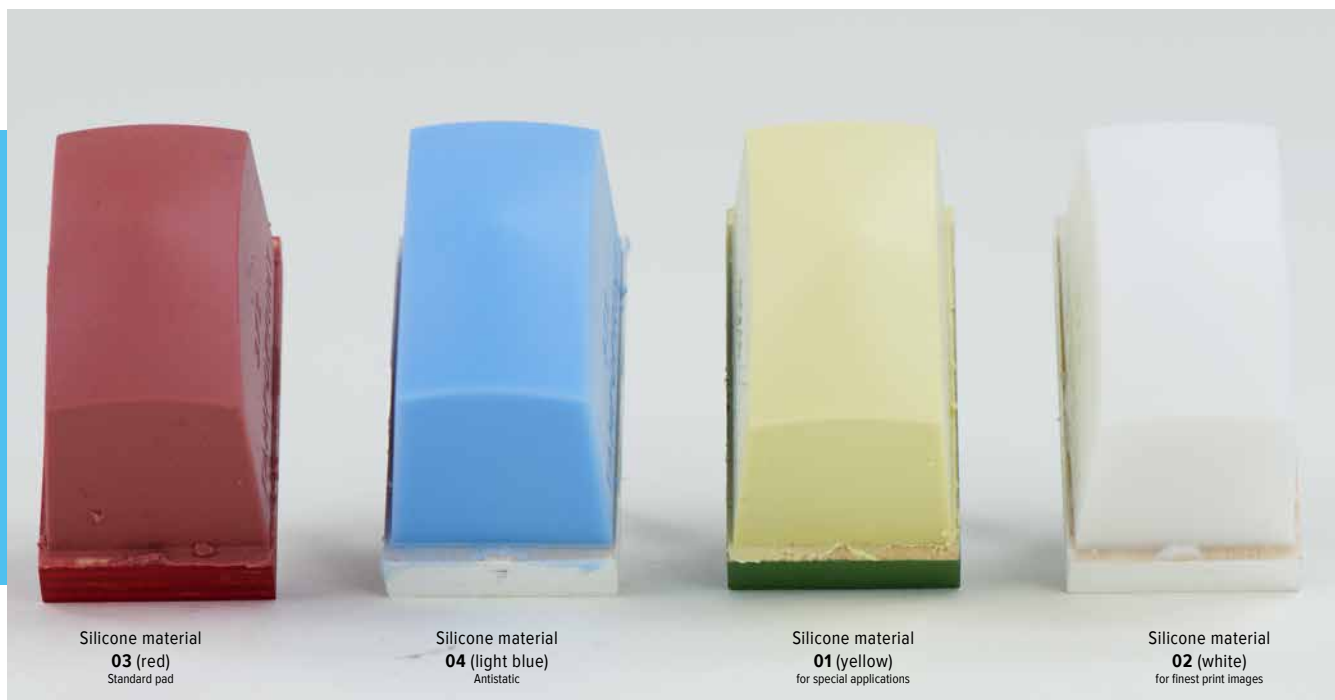
Perfect material properties for precise results

The material properties of silicone rubber are excellently suited for the production of printing pads.

The special release effect, namely the absorption of the pad printing ink from the pad printing cliché and the subsequent release onto the printed part, is due to the exceptionally

contrary material properties of silicone rubber. Particularly noteworthy is the release effect of the surface against inorganic and organic materials, as well as the permanent elasticity, the high impression accuracy, as well as the chemical resistance to weak acids and alkalis.

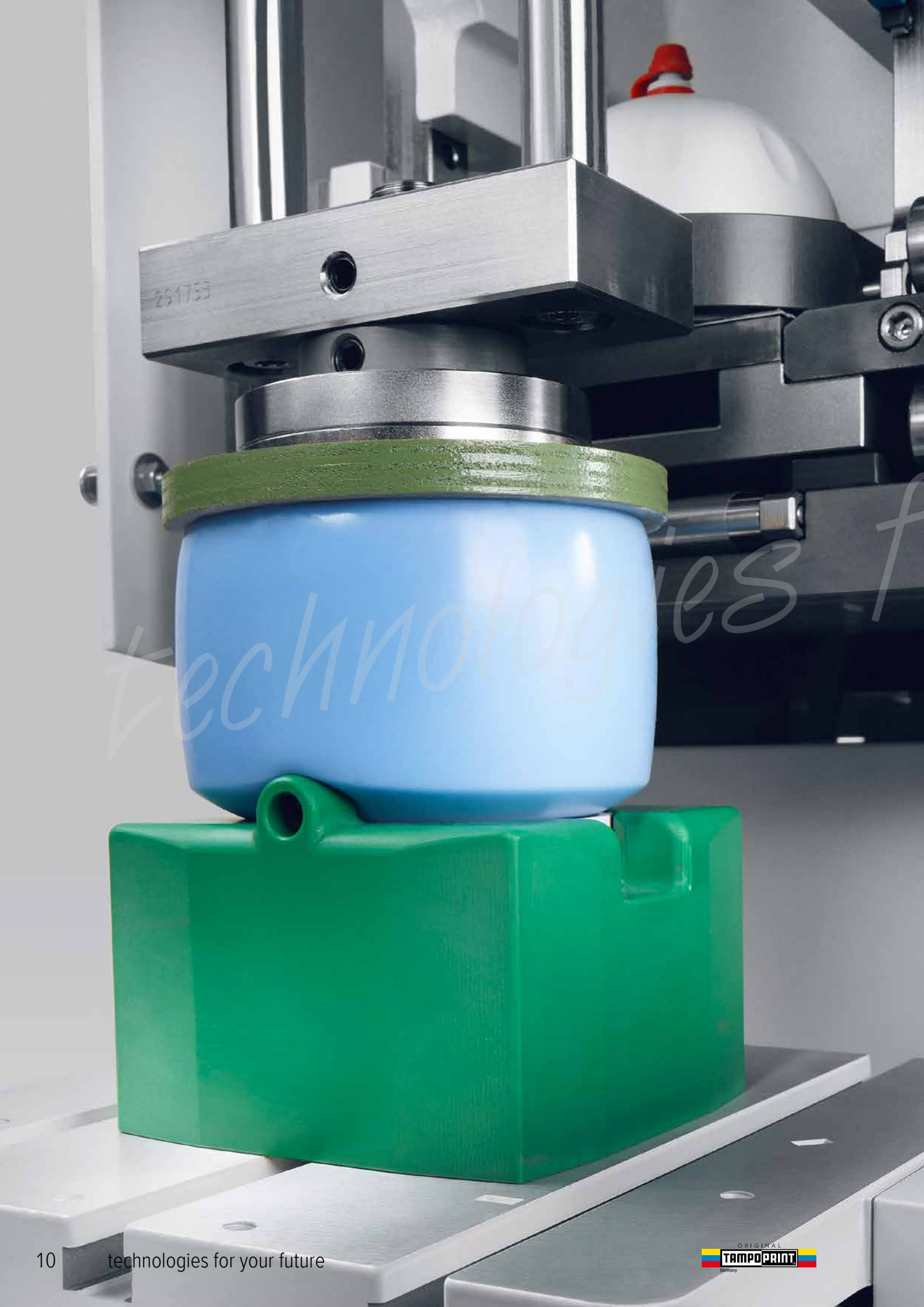
Silicone material	04 light blue	03 red-brown	02 white	01 yellow
Antistatic	optimal 100 times less electrostatic charge than with silicone material 03	very good	good	good
Mech. resilience	very good	very good	good	good
Main application	universal, suitable also for UV pad printing inks	universal	opt. industry, easy to clean, finest print images	preferred in special applications
Swelling behavior	good	good	very good	good
Shelf life (more than this = decreasing hardness)	over 1 year	over 1 year	max. 3 months	max. 3 months
Hardness/Shore-A	1, 3, 6, 12, 18	1, 3, 6, 12, 18	6, 12, 18	1, 3, 6, 12



Printing pads

Silicone material

Please note that the specifications are guidelines. A concrete recommendation depends on the application and the material. An incoming inspection (test print) must always be carried out. We will be pleased to advise you.



Pad hardness

Shore Hardnesses

Suitable printing pads for shaped objects

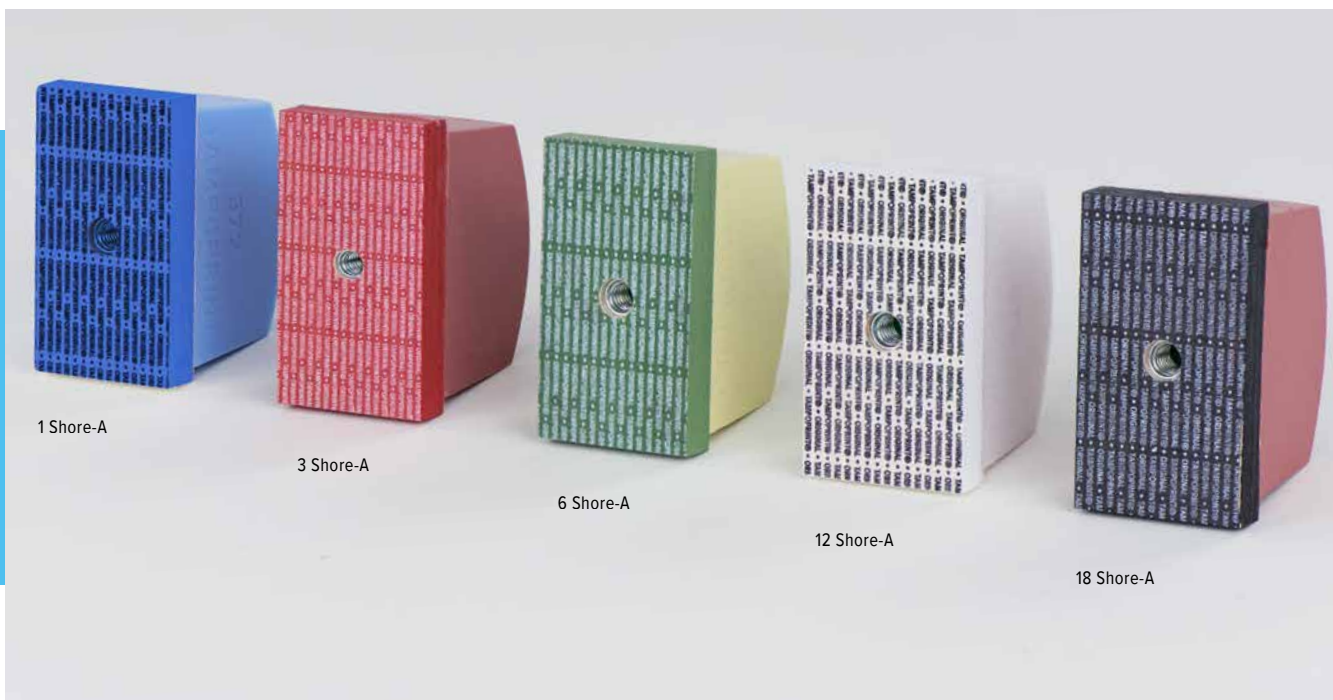
The hardness of the pad is specified as Shore-A according to DIN 53505. Usually, pads between 0 and 18 Shore-A will be offered. For hardnesses above 18 Shore-A, these are

considered as special pads or are used in rotary pad printing as printing pad rollers (55 Shore-A is common here). All our pads are available with wood or aluminum base plates.

Shore-A	Hardness	Usage
1 Shore-A	soft	sensitive, easily breakable surfaces
3 Shore-A	soft	strongly curved surfaces
6 Shore-A (standard)	medium	universal application areas
12 Shore-A and 18 Shore-A	hard	textured surfaces, flat printed parts, extremely high printing speeds

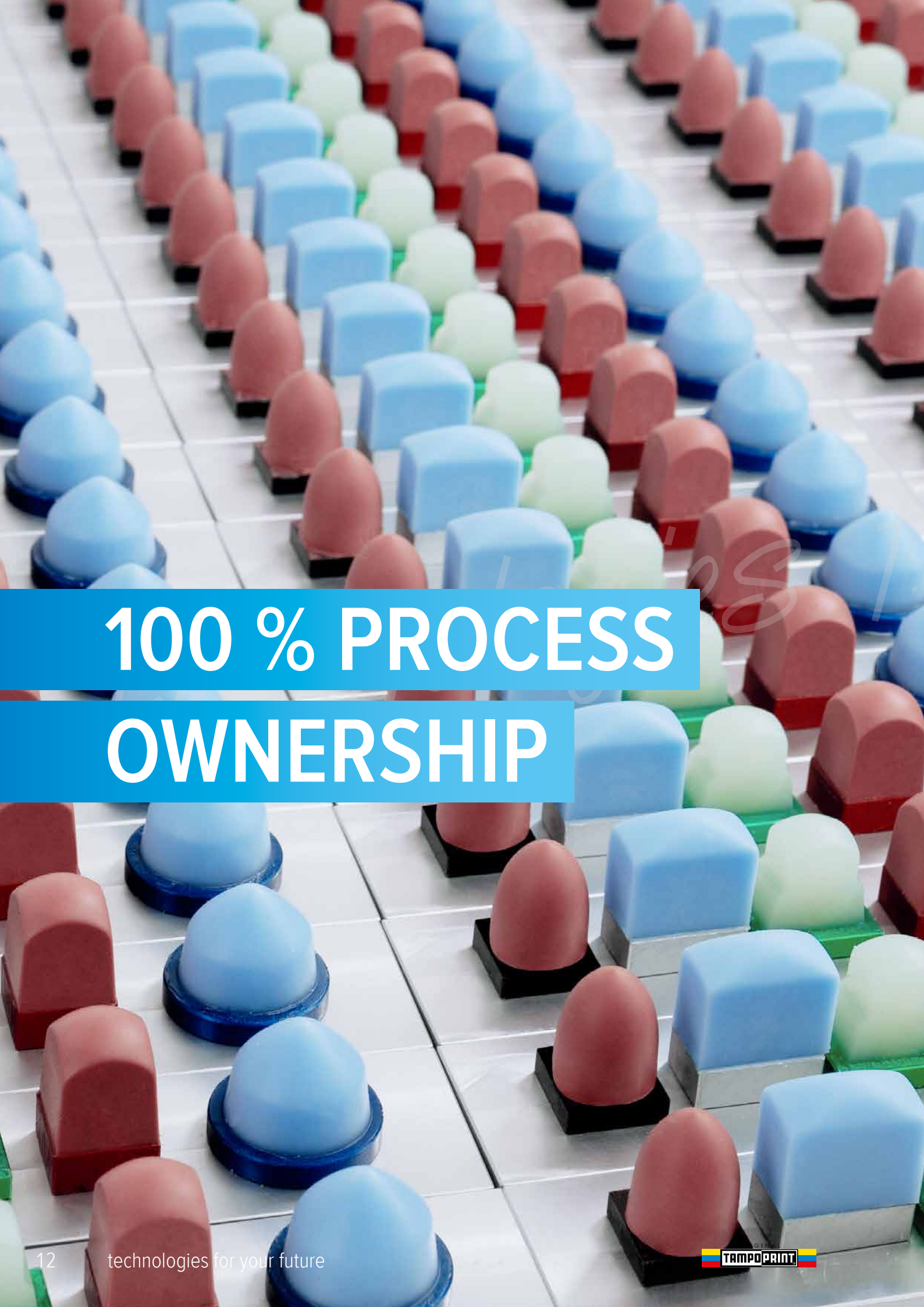
Please note that the specifications are guidelines. A concrete recommendation depends on the application and the material. An incoming inspection (test print) must always be carried out. We will be pleased to advise you.

TAMPOPRINT® Printing pad database:
<https://www.tampoprint.com/en-en/pad-database/>



Pad hardness (according to DIN 53505 as Shore-A)

The hardness of the TAMPOPRINT® pads is determined by the color coding of the base plate



100 % PROCESS OWNERSHIP

For optimal printing results

Standard Printing Pads

According to original TAMPOPRINT® formulation

In our immense standard printing pad portfolio, there is a suitable solution for almost every application. If no suitable pad shape is available, we will create a printing pad perfectly matched to your printed substrate.

Advantages

- Large, wide variety of choices
- Advice on the selection, tailored to your process
- Universally applicable also for third-party systems
- Do-it-yourself kit for your own printing pad production
- In-house production and constant quality control
- Silicone material perfectly matched to the TAMPOPRINT® overall process

TAMPOPRINT® Printing pad database:
<https://www.tampoprint.com/en-en/pad-database/>



Select and start printing

Our TAMPOPRINT standard printing pads are available ready for use for many applications and in different shore hardnesses

A PAD FOR EVERY SHAPE



For individual requirements

Special Printing Pads

Designed specifically for you

We understand that your requirements are unique and challenging, and we offer customized solutions for individual printing pads! Whether it's specific printing image customization or the development of special shapes for the printing pad, we are here to help. Our experienced application technology team specializes in performing appropriate work and identifying and meeting your specific requirements.

Advantages

- Advice on the selection, tailored to your process
- Determination of the required printing pad properties
- Development of new printing pad forms
- Universally applicable also for third-party systems
- Do-it-yourself kit for your own printing pad production
- In-house production and constant quality control
- Silicone material perfectly matched to the TAMPOPRINT® overall process

You can also find our application-related services at:

<https://www.tampoprint.com/en-en/our-application-related-services/>



Your individual solution

Individual requirements call for customized printing pads!



BLAZINGLY FAST

Our consumables – For optimal printing results

Printing Pad Rollers

Ideal solution for the rotary pad printing

Our printing pad rollers have been carefully designed and manufactured to ensure the highest quality and performance. They are designed to give you outstanding print results while ensuring an efficient and reliable performance.

Whether rotary high-performance speeds in the beverage sector or cross-industry circumferential product marking - our rotary printing rollers are ideal for the job. Their long service life and precise ink delivery distinguish them and make them an indispensable tool for your successful rotary pad printing.

Advantages

- Advice on the selection, tailored to your process
- Universally applicable even with third-party systems
- In-house production and constant quality control
- Efficient performance
- Long service life
- Silicone material perfectly matched to the TAMPOPRINT® overall process



Sustainability Fact RP printing pad roller:
The roller core is made from recycled plastic.



Printing pad rollers for rotary printing

From left to right: Segment roller, CRS roller and RP roller
available in different shore hardnesses



OUR SERVICE

100 % TAMPOPRINT®

From the first consultation to the determination of process requirements and finally to maintenance.

Service

Everything from a single source

We support you

As a full-service supplier, we are also there for you after the purchase! We will quickly and reliably find the right solution for your technical concerns. Whether troubleshooting, maintenance or repair, our service technicians are on site for you worldwide or with fast problem solving, thanks to remote maintenance in real time.

Advantages

- Support on site or remote maintenance in real time
- Reliable supply of spare parts
- Individual service and maintenance concepts
- Production of ready-to-print pad printing clichés
- Comprehensive training offers
- Process optimization

Artwork production/DTP

Artwork production from professionals



Year-round training offers

Basic and industry-specific training



Technical spare parts and retrofit

Test prints, sampling and production outsourcing



Working around the world

We are there for you - by remote maintenance or on site



SERVICE APPLICATION TECHNOLOGY
Well advised down to the last detail
All customer-related topics concerning pad
printing and laser technology come together
in our application technology department.

Service

Application Technology

Well advised down to the last detail

Our application technology department performs a detailed analysis of the task at hand, determines all process requirements and develops the best possible approach for your marking process.

We support you in the introduction phase of your series production, verify your process flow and integrate it into your existing production line.

Our service

- Support with machine setup
- Process optimization of existing production lines
- Support from pad printing and laser specialists
- Development of marking processes
- Determination of printing/laser machine parameters
- Verification of process sequences
- Integration into automations or production lines
- Validation according to GMP guidelines
- Validation according to IATF 16949 guidelines

Feasibility analysis and sampling

Determination of the optimal interaction of all components



Small series production and start-up support

Production of the pre-series by our experienced application engineers



Contract manufacturing

Test prints, sampling and production outsourcing

Validation

Comprehensive support for the required validation processes



**YOUR NEEDS,
OUR GOAL**

Useful printing auxiliaries

Accessories and Care

Making work easier in the printing process

Our portfolio includes useful auxiliaries and accessories that accompany the entire pad printing process and make user work much easier. Working cleaner and easier is not only time-saving, but also increases productivity and allows you to focus on the essentials - the perfection of your print results. With our carefully selected products, you will achieve a smooth and efficient printing process so that you can handle your tasks with ease.

By using our care materials, you can significantly extend the life of your pad printing components. Regular care and use of the right accessories will maintain the optimal functionality of your equipment and the efficiency of your entire printing process. Our goal is to provide you with the best possible equipment and support so that you can enjoy your pad printing for a long time.

Pad couplings, adapter for RP cylinders and many more

For fixing the printing pads in pad printing machines



Foil rollers

Automatic cleaning of printing pads during the printing process



Pad assemblies

For individual printing requirements



Pad care

To extend the life of printing pads

COMPLETE SUPPORT

ACCESSORIES

Our accessories are perfectly designed for the interaction of all TAMPOPRINT components in the pad printing process.



For optimal printing results

Additional Consumables

For professional pad printing

At TAMPOPRINT, we attach great importance to providing you with optimal pad printing results. For this, the right consumables are of crucial importance. Our many years of experience in pad printing have taught us down to the smallest detail how to bring the properties of a product into perfect harmony with the adhesion and viscosity of the printing medium, the properties of the pad printing cliché, and the characteristics of the printing pad and the printing ink. Rely on our experience and expertise to take your printing results to the next level.

Advantages

- Large, wide variety of choices
- Perfectly matched to the pad printing process
- For all common pad printing systems
- Practical auxiliaries for the user
- Perfect printing results

Accessories and much more can be found in our TAMPOPRINT® online catalog. Take a look!

Pad printing clichés

A selection of our pad printing clichés for ideal printing results



Ink/doctoring cups

Large selection with designs in plastic, aluminum, stainless steel



Pad printing inks

Standard ink types/shades and auxiliaries
(for example thinner, hardener, retarder etc.)



Auxiliaries

A selection of practical auxiliaries for the pad printing process

TAMPOPRINT®



HERMETIC 90

Consumables: Standard antistatic printing pad, Magnet-Aloxid cliché plate, ink/doctoring cup Ø 90 NE.

Pad Printing



MACHINES

Thank you

For your Interest and your Trust

Your partner for pad printing, laser and inkjet systems

We offer you everything from a single source: from consulting, machines and consumables down to service.

New product designs, product markings and plagiarism protection are possible with pad printing and laser machines. Use our experience for optimized or new production processes. Our core competencies are industrial pad printing and laser marking. Of course, both processes can be combined and integrated into automations using software developed in-house.

Our reliable, uncomplicated and efficient standard pad printing machines for classic pad printing are suitable for numerous tasks in industry. The standardization of our machines has many advantages for our customers: The industrial marking systems deliver optimal printing results, high process stability and offer ease of operation, maintenance friendliness and cost savings.

We offer our customers complex, semi- and fully automated industrial marking systems for large quantities and high cycle rates. These include the modular system MAP (Modular Automation Platform) or the rotary automations ROTOPRINT as well as CLOSURE PRINT COMPACT. Rotary pad printing offers speed combined with frequent motif changes. For applications where production flexibility and user-friendliness are particularly important, our semi-automatic systems of the MODULE ONE Series score highly.

Our industrial marking systems, which combine pad printing and laser technology, enable special solutions in pad printing that are perfectly matched to the requirement. The combined systems offer versatile application possibilities when printing on the smallest areas, combined with individual laser engraving.

Similar decoration processes such as offset printing or screen printing, embossing or etching reach their physical and economic limits in comparison. It is possible for pad printing and also our laser systems to print or mark concave as well as convex and uneven surfaces. Take your time to get to know pad printing and develop your own ideas and concepts.

In recent decades, pad printing has undergone a transformation from the so-called "open" ink/doctoring system to the closed, i.e. "hermetic", ink/doctoring system (invented by TAMPOPRINT and first introduced to the global market in 1983 with the ENCODER pad printing machine).

For some years now, there has been another technical revolution, the integrated printing cliché production within the printing process, integrated into the standard pad printing machine.

Today, the "hermetic" system and its use dominate the market. Advantages for the user include:

- No health hazards such as solvent evaporation
- Constant ink consistency
- Cleanliness and time savings during ink changes
- Stable printing process
- No drying of the printing ink during downtimes
- Minimized waste during setup
- Fast changeover of the pad printing machines

Send us your request!

Contact:

Phone: +49 71 50 928-0

info@tampoprint.de

Contact

Our Contact Persons

Business Development

Dietmar Scholz	Tel.	+49 7150 928-368
	e-mail	d.scholz@tampoprint.de

Sales Manager

Standard Pad Printing Machines & Closure Systems

Thilo Reichelt	Tel.	+49 7150 928-129
	e-mail	t.reichelt@tampoprint.de

Sales & Project Management Application Lab

Lisa Goerner	Tel.	+49 7150 928-465
	e-mail	l.goerner@tampoprint.de

Sales Manager Consumables

Thomas Mäule	Tel.	+49 7150 928-361
	e-mail	t.maeule@tampoprint.de

Technical Product Manager for Printing Inks

Marco Kordisch	Tel.	+49 7150 928-248
	e-mail	m.kordisch@tampoprint.de

DTP & Sales Cliché

Luisa Martinez	Tel.	+49 7150 928-257
	e-mail	l.martinez@tampoprint.de

Product Management and Sales Laser

Yuen Wah Lee	Tel.	+49 7150 928-310
	e-mail	y.lee@tampoprint.de

Head of Sales Automation

Bernd Gottschalk	Tel.	49 7150 928-214
	e-mail	b.gottschalk@tampoprint.de

Service Supervisor

Roland Heubach	Tel.	+49 7150 928-328
	e-mail	r.heubach@tampoprint.de



technologies for your future

TAMPOPRINT® GmbH
Lingwiesenstraße 1
70825 Korntal-Münchingen
GERMANY

Tel. +49 7150 928-0
Fax +49 7150 928-400

info@tampoprint.de
www.tampoprint.com

TAMPOPRINT® IBERIA S.A.U.
Polígono Industrial Martorelles
C/ Sant Martí, s/n (entre Gorgs y Mogent)
08107 Martorelles (Barcelona), SPAIN

Tel. +34 93 2327161
Fax +34 93 2471500

tampoprint@tampoprint.es
www.tampoprint.com

TAMPOPRINT® INTERNATIONAL CORP.
1400 26th Street, Vero Beach
FL 32960
USA

Tel. +1 772 778-8896, 800 810-8896
Fax +1 772 778-8289

info@tampoprint.com
www.tampoprint.com



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All locations are certified ISO 9001:2015

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