



Environmental certification valid for a selection of plastic products



Environmental certification valid for a selection of textile products



Environmental certification valid for a selection of trolleys



ISO 14067

Carbon Footprint Systematic Approach certification



Sedex

Affiliate Audit Company

Green

IS BETTER

GREEN PRODUCT SELECTION



made in Italy

A cleaner future?
It's in our hands



ABOUT US

A STORY OF SUCCESS

1987 year of foundation

15 years: average length of service of our staff

42.000 m² of warehouses

More than 100 patents filed

We export to over 80 countries worldwide

4 foreign branches: Spain, Brazil, UK and Germany

More than 4.200 items in the catalogue



TARGET SUSTAINABILITY

A CLEANER
WORLD...

COMPANY CERTIFICATION

- ISO 9001 Certification •
- ISO 14001 Certification •
- SMETA Certification •
- ECOVADIS Certification •
- REACH Compliance •

PRODUCT CERTIFICATIONS

- PSV: Plastic Second Life •
- Ecolabel UE •
- Carbon Footprint Systematic Approach •
- ISO 14067 •





COMMERCIAL BRANCHES

- Timely service to customers
- **Reducing environmental impact** of transports

USE OF PURE POLYMERS

- Products made from 100% polypropylene: **fully recyclable**
- Use of raw materials deriving from recycling: **low environmental impact**

CLEAN ENERGY

- Use of **solar energy** obtained from the three photovoltaic systems installed since 2011



Green

IS BETTER

TTS has always been committed to the **eco-sustainability** of its production and the **safeguard of natural resources**, always following many eco-sustainability criteria: using environmental company and product labels recognised at European level; promoting material recycling; designing systems that **minimise environmental impact**; favouring **clean energy sources**; and much more!

Many of such actions are in line with the European Directives (GPP - Green Public Procurement), which outline the approach used by Public Administrations in incorporating environmental requirements in all the stages of the procurement process, promoting **environmental technologies** and the develop of more environmentally acceptable products.



GREEN
IS BETTER

WHY
CHOOSE TTS?

 *has been working for 30 years at the service of customers*

Your satisfaction is our objective!

We continuously work to give you high quality products,
easy to use and long lasting, so that you can save on costs and service times.

Our R&D department is always busy in designing for you systems ensuring more efficient, hygienic and eco-sustainable cleaning processes for all operators!



Products with PSV-certified
components



Systems designed
to save water



EU Ecolabel certified
textiles and trolleys



Production and use
of clean energy



Repairable
products



Logistics solutions

ZERO PLASTIC GOAL

98.8% of the products sold travel inside cardboard packaging, an **ecological material** as it is made of natural fibres and **easily recyclable at the end of life**. 91% of the cardboard used contains **80% to 100% recycled paper**.

OPTIMIZED TRANSPORT

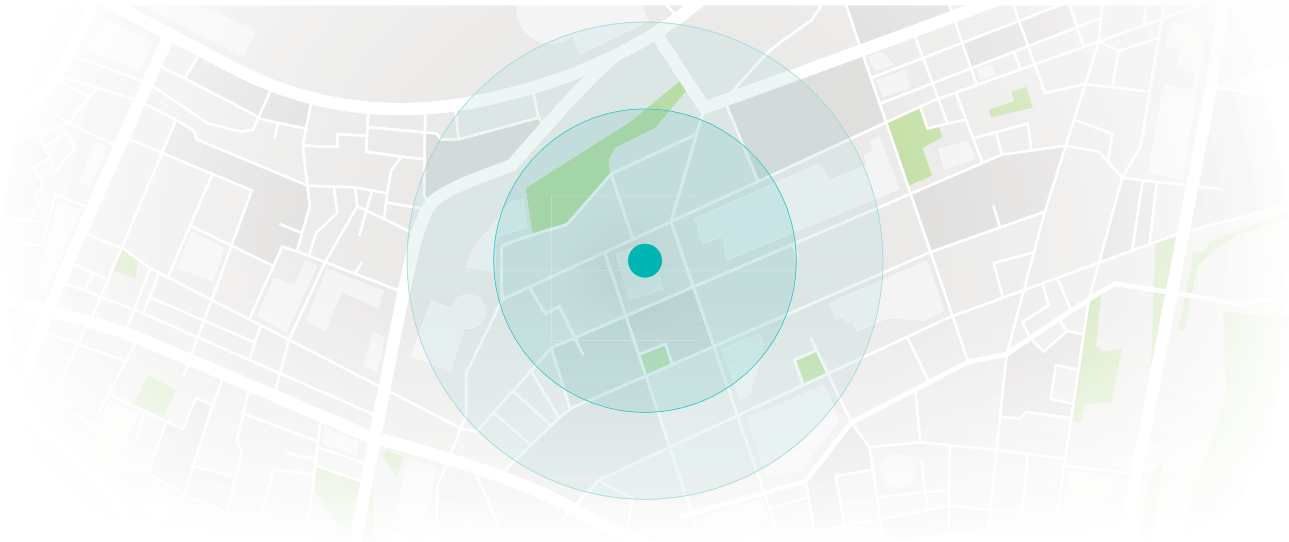
The products are **designed to take up as little space as possible**: stackable frames, foldable bag holders and compactable handles are just some of the solutions developed by TTS which, in addition to ensuring maximum efficiency in terms of space saving, allow to **optimize packaging and therefore transport**, reducing the environmental impact.

THE ORIGIN OF MATERIALS

SUPPLIERS ZERO KM

Suppliers and printers within a 45 km radius!

The plastic used to make the products comes exclusively from selected suppliers that are located at a maximum distance of 45 km from TTS headquarters: the proximity to manufacturers and printers makes it possible to guarantee the origin of the materials and reduce CO2 emissions linked to transport.





Clean Energy



When choosing its growth policies, TTS has always favoured sustainable technological innovation and environmental responsibility.

To this end, since 2011 it has installed three **photovoltaic systems** with a rated power output of 315 kW/h, which allow it to **produce up to 400,000 kW/h of clean energy** annually for self-consumption or feeding into the national grid.





315 kW/h

*production of
clean energy*





>500

products with
carbon
footprint study

Carbon Footprint

The climate change we are witnessing is an urgent and potentially irreversible threat that requires, today more than ever, to be a priority: **to combat global warming by reducing greenhouse gas emissions.**

The commitment of TTS on this front has resulted in the development of a **system for the quantification of greenhouse gas emissions for each phase of the product life according to ISO 14067**: in this way, it is possible to identify the most critical phases, implementing concrete actions aimed at reducing CO₂e.

Our commitment has allowed us to reach an important goal: TTS is one of the first companies in the world to have obtained the implemented **Carbon Footprint Systematic Approach certification.**

The **CFP calculation** can be carried out on the trolley lines: **Magic, MagicArt, Magic Hotel, Green, Green Hotel, Nick, Nickita.**

MORE THAN
500 PRODUCTS

ASK US FOR
YOUR CALCULATION

54,94
Kg CO_{2e}

Calculation made
on a trolley
delivered in Rome



Upstream

77,55%



Core

9,71%



Downstream

12,74%



WE'LL DO YOUR

LCA

STUDY

Since the software creation, TTS has continued to feed its database and can now **calculate the impact of more than 500 products including trolleys, equipment and textiles.**

The flexibility of the software allows us to create **customised data** sheets for our customers, including destinations and shipping methods used for delivery.



Carbon Neutral

In 2019 TTS has started a **long-term compensation programme** to fully absorb the emissions associated with the annual production of **Magic** trolleys thus making it

THE FIRST CARBON NEUTRAL TROLLEY LINE

A concrete gesture in support of important projects of responsible environmental management that not only allows the **absorption of countless tons of CO₂** but also helps to safeguard endangered ecosystems, protect biodiversity and protect the work of local communities.

PLASTIC TROLLEYS

100%
RECYCLABLE

Magic trolleys are greener!

TTS trolleys are made with **certified recycled plastic PSV - Second Life Plastic components.**

The use of recycled plastic makes it possible to **reduce CO2 emissions** during production by one third compared to those already released with virgin polypropylene. The impact of virgin polypropylene is in fact 8 times lower compared to aluminum, 1 time compared to stainless steel and half compared to chrome-plated iron. Moreover, TTS trolleys are **100% recyclable** at end of life

RECYCLED POLYPROPYLENE



VIRGIN POLYPROPYLENE



CHROMED IRON



STAINLESS STEEL



ALUMINUM





> 150

items in



**recycled
plastic** (PSV)



Recycled plastic

Environmental responsibility has always influenced TTS's choices, also with regard to raw materials: the result is a wide range of products with **components made of recycled plastic, certified Second Life Plastic (PSV)** by the Institute for the Promotion of Recycling Plastics (IPPR).

Unlike simple self-declarations, PSV certification applies the international **ISO 14021** regulation for calculating recycled content, **ensuring the quality of recycled plastics and their traceability** according to **EN 15343**. In addition, it involves periodic surveillance by the Certification Authority to **ensure compliance over time with the requirements** for the maintenance of the mark.

PLASTIC SECOND LIFE

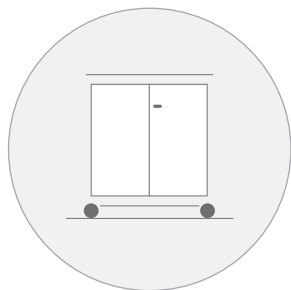


The PSV mark allows easy identification of materials and manufactured products obtained from the recycling of plastic waste, thus guaranteeing their sustainability and low environmental impact.

COMPONENTS

CERTIFIED AS PLASTIC SECOND LIFE

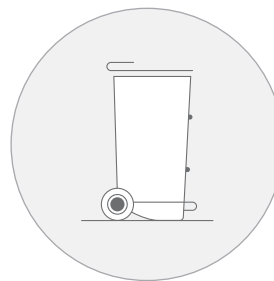
*Products with PSV components ensure maximum resistance, long life
and minimum environmental impact*



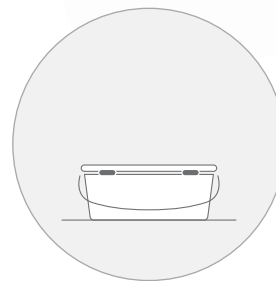
MULTIPURPOSE
TROLLEYS



WASHING
TROLLEYS



CONTAINERS
AND BINS



PLASTIC
BUCKETS



colourful

isn't just Green

Don't settle
for black,
choose cleaning
in full colour



Components made of up to 97% recycled plastic



100% recyclable at end of life



Efficient, solid and long-lasting



Well-finished design and original colours





PREMIUM
**RECYCLED
PLASTIC**
SINCE 2012



Trolleys

TTS has always been committed to designing **sustainable professional products and systems**, solely using quality materials with **low environmental impact**.

In specific, the company sets itself apart due to its wide range of cleaning trolleys manufactured using high quantities of recycled polypropylene, certified as Plastic Second Life.

The polypropylene makes TTS trolleys particularly strong, **long lasting** and completely **recyclable at the end of their life**, contributing in a tangible way to the safeguard of the environment.

PLASTIC SECOND LIFE



Products certified with the PSV – “Plastic Second Life” brand are made with recycled plastic raw materials and certified by the IPPR, the Institute for the Promotion of Recycling Plastics.

MULTIPURPOSE TROLLEYS

PSV CERTIFIED
WITH COLOURED BUCKETS

GREEN LINE



Green 150
cod. **0R003150**

MAGIC LINE



Magic System 760E
cod. **MS760E0C0B00**

MAGIC HOTEL



Magic Hotel 900S
cod. **MH900S0T0V00**





Washing trolleys

TTS offers a wide range of trolleys with wringer, from the most compact to the most complete, always in the name of total modularity of the components and maximum customization, ideal for cleaning all medium-small environments.

Nick and Nickita trolleys are all produced with percentages of **recycled plastic** above the minimum required, while **maintaining the original colours** with the **quality** that has always distinguished TTS products.

TTS trolleys are **green** even at the end of their life, the polypropylene used in their production makes them **100% recyclable**.

PLASTIC SECOND LIFE



The "Plastic Second Life" mark is an environmental product certification intended for materials and products obtained from the recycling of plastic waste.

NICK AND NICKITA TROLLEYS

PSV-CERTIFIED COMPONENTS

NICK



Double Nick Dry with lateral handle
cod. **00066183**

NICKITA



Nickita Dry - 50L
cod. **00066161VE**





Waste collection

TTS solutions include several products certified **PSV - Plastic Second Life** made with **97%** recycled plastic.

Since 2012 TTS have been using only **premium recycled plastic**, the only option that allows traditional colours.

All polypropylene containers are green even at the end of their life as they are **100% recyclable**.

Products certified with the PSV - Plastic Second Life brand: made with recycled plastic raw materials and certified by the IPPR, the Institute for the Promotion of Recycling Plastics.



*Containers, which, in addition to favouring the differentiation of waste for the recovery of raw materials, are themselves made with recycled plastics.
Finally, they are completely recyclable at the end of their lives!*

SEPARATE WASTE COLLECTION

PSV-CERTIFIED COMPONENTS

*Manage separate waste collection and
minimize enviromental impact!*

MAX



Max 25 L
cod. **00005203**



Max 12 L
cod. **00005220J**

DERBY



Derby XL - 60 L
cod. **00005692**



Derby L - 30 L
cod. **00005714**



Ecolabel trolleys

The wide Magic range includes **EU Ecolabel-certified trolleys**, synonymous with sustainability, safety and quality.

Choosing them means contributing to the protection of the environment and health: they are **sustainable throughout their entire life cycle**, from being made from at least 30% recycled plastic to being designed to be easily disassembled for repair or recycling at the end of their life. They are also safe as they are **produced without the use of heavy metals** harmful to humans and dangerous to ecosystems. Finally, they guarantee high quality and long-lasting service life: they **have passed the tests for strength, stability, durability and operator safety** conducted by an independent body according to EN 16121 and EN 14073.



EU ECOLABEL

The ecolabel certifies low environmental impact, health protection and quality in the design and manufacture of the trolleys.

MAGIC AND MAGIC HOTEL

EU ECOLABEL
CERTIFIED

*Ecolabel trolleys are sustainable,
safe and durable*



MINI MAGIC 400S



MAGIC LINE 410S



MAGIC LINE 420S



MAGIC LINE 470E



MAGIC HOTEL 900S

Product Selection - Available in other model, colour and size variants

5

**trolleys
certified**

Ecolabel UE



Ecolabel Textiles

The wide range of TTS yarns includes **flat mops and mops certified Ecolabel EU**, the **environmental excellence mark** of the European Union that identifies the products with the lowest environmental impact. The prestigious label was issued after a **careful evaluation by independent experts**, carried out based on **rigorous** scientifically defined **criteria**.

In an Ecolabel product there is a certification for the **absence** or presence within very strict limits of **countless substances harmful** to both people and the environment, including lead, formaldehyde and biocides. The Ecolabel also certifies **sustainability from the production phase** and **resistance over time to washing, rubbing and light**.



EU ECOLABEL

The EU Ecolabel is a European eco-label that certifies products with high performance standards and low environmental impact throughout their life cycle.

FLAT MOPS AND MOPS

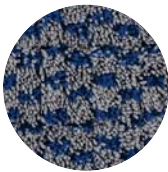
CERTIFIED
ECOLABEL UE

> **80**

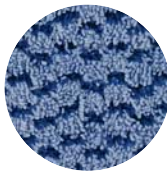
Ecolabel products ensure high performance,
minimum environmental impact and
health protection.



ULTRASAFE



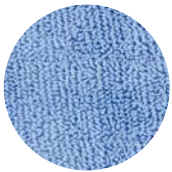
MICROSAFE
WIDE



MICROSAFE



MICROSPLIT 32



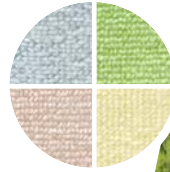
MICROBLUE



MICRORED



COTTON
MOP



ALLICE
ECO

**flat mops, mops and
cloths certified**

EU Ecolabel



Sustainable in the washing machine

According to the study '*Plastic in Nature: Assessing Plastic Ingestion from Nature to People*' commissioned by the WWF from Newcastle University (Australia), **250 grams of microplastics** ingested through liquids and food **pass through a human body every year**, with little known health effects.

TTS had cloths and mops tested by a specialised external laboratory for the **release of microplastics during textile washing: all products passed the test** and were confirmed as environmentally friendly.

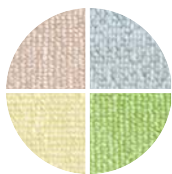
Fewer microplastic emissions mean **more protection for the environment and health:**

*using wash-resistant textiles helps take care
of our planet and its inhabitants.*

CLOTHS AND MOPS

LOW ENVIRONMENTAL IMPACT

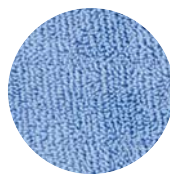
*Microfibre classified as low release of microplastics during laundering
are sustainable even in the washing machine*



ALLICE ECO



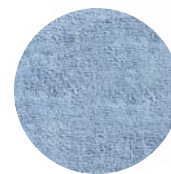
MICRORICCIO



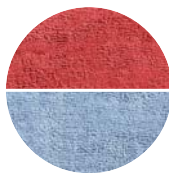
MICROBLUE



MICRORED



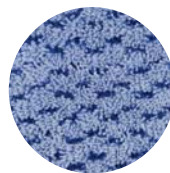
TRI WET 1



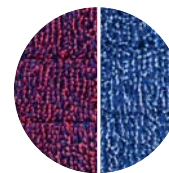
TRI WET 1 - Bicolor



SOFT BAND



MICROSAFE



ULTRASAFE





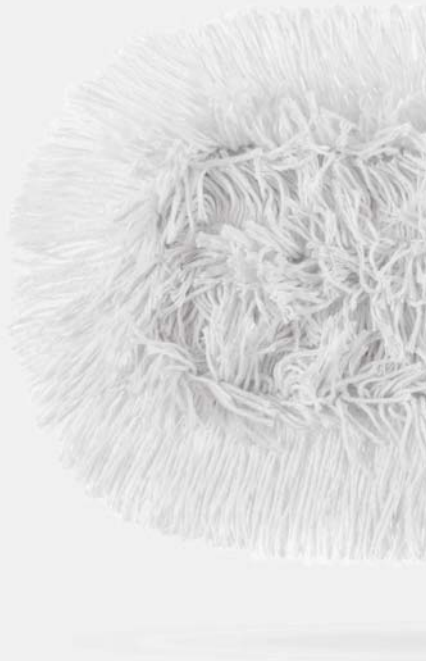
Recycled cotton

The range of TTS **cotton dust mops** is made from **100% recycled yarn**, in line with the environmental policies of the company, which has always preferred to use raw materials derived from recycling and which **can be recycled again at the end of their life**.

TTS mops ensure effective dusting: **they capture and retain even the smallest particles of dust and residual dirt**, avoiding lifting and consequent dispersion in the environment. In addition, they are **designed to last a long time**, making them an excellent investment.

The advantages of TTS cotton

- Fast, effective and residue-free cleaning
- Complete removal of dust and residual dirt
- Very low friction and adherence to the floor



RECYCLED AND RECYCLABLE COTTON

EFFECTIVE DUSTING, GREATER SUSTAINABILITY

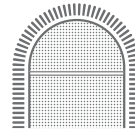
*Recycled cotton dust mops
help sustainable development*



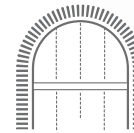
Cotton dust mop
with pockets



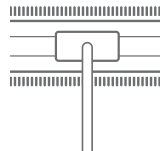
Cotton dust mop
with laces



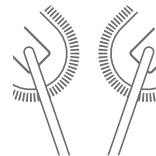
Basic Cotton
dust mop



Middle Cotton
dust mop



Cotton dust mop for wide
open spaces



V-sweeper Middle Cotton dust mop
for wide open spaces

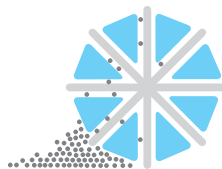




Microfibre

TTS offers a wide range of microfibres **highly efficient** and with **low environmental impact**.

MICROFIBRE



COTTON



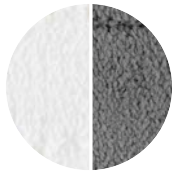
Microfibre, thanks to its high absorbing power guarantees a **large floor coverage** while the physical-mechanical action of its fibres acts on dirt molecules, catches them thus **reducing the quantity of water and chemical needed**.

Microfibre is characterised by **increased resistance** and **longer life** of the product in comparison with traditional yarns, confirming itself as an excellent **long-term investment**.

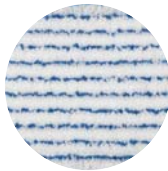
MICROFIBRE (<1 DTEX)

HIGH PERFORMANCE, CHEMICAL SAVING

*Microfibre mops are lighter than traditional mops
and require less chemical!*



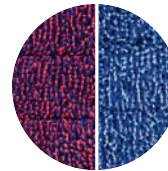
SOFT PRO
□ 0,75 | ■ 0,58 dTex



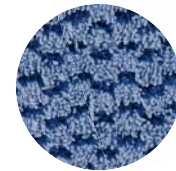
SOFT STRIAT
0,56 dTex



SOFT BAND
0,75 dTex



ULTRASAFE
0,16 dTex



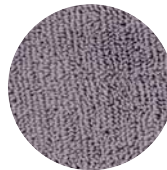
MICROSAFE WIDE
0,16 dTex



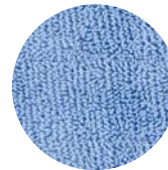
MICRORICCIO
0,58 dTex



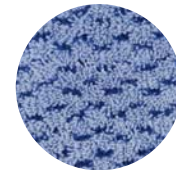
MICROSPLIT 32
0,20 dTex



MICROBLUE BCS
0,16 dTex



MICROBLUE
0,16 dTex



MICROSAFE
0,16 dTex





Soaking station

Dosely is a soaking station allowing to **soak single mops** on demand, with considerable **water and chemical saving**.

With Dosely it is possible to soak only the mops really needed, avoiding you to **prepare mops**, which could be **unused**.

The dosage of the cleaning solution can be adjusted from 50 to 350 ml according to size of the area to clean and the kind of dirt.
Only the side of the **mop that goes in contact with the surface** is soaked, only the chemical really needed will be used.

DOSE THE RIGHT THING



Dosely is fully automated, it does not need electricity to work and does not require the use of batteries that must be disposed of at the end of its life.



DOSAGE CONTROL AND CHEMICAL SAVING

Soaking on-demand directly on trolley!

with single
Dosely

with double
Dosely



Modulo dosatore singolo
cod. **00005905V**



Modulo a 2 dosatori
cod. **00005915V**



Magic System 630P
cod. **DS630P0C0000**



Magic System 810S
cod. **DS810S0C0A00**

COMPLIANT
GPP
CAM APPROVED



Waste management

Making a **proper separate waste collection** is a **prerequisite for recycling** and a common duty to protect the environment.

If managed correctly, waste can become a precious resource: its recycling allows the recovery of raw materials that are subsequently reintroduced into the production cycle, **significantly reducing the impact on the environment.**

TTS's commitment on this front results in a special range of products specifically designed to **make separate waste collection simpler and more effective**: bag-holder inserts and removable dividers allow you to freely configure the compartments of the trolley to **give each waste the right place** while the adhesive labels ensure the **proper disposal of different types of waste** in the appropriate bins, most of which are certified PSV - Second Life Plastic.



TTS SOLUTIONS

THE WASTE COLLECTION MAKING A DIFFERENCE!

INSERT FOR 120L AND 150L BAG HOLDER



It can be divided from 1 up to 3 sections:



It can be divided from 1 up to 3 sections:



90 L BAG HOLDER WITH DRAWER



Upper bag holder:



Lower drawer:



SET WITH ADHESIVE LABELS FOR SEPARATE WASTE COLLECTION



Easy to be applied on containers, waste bins or service trolleys.
Customize your working tools for a separate waste collection, really making a difference!

PAPER



GLASS



METAL



PLASTIC



FOOD WASTE





Green
IS BETTER

IS BETTER



TECNO TROLLEY SYSTEM ESPAÑA S.L.U.

C/de Galileu Galilei, 15
Pol. Ind. Coll de la Manya
08403 - Granollers (Barcelona)
Tel: +34 93 861 6840
E-mail: ventas@ttsystem.com | Web: www.ttsystem.es

TECNO TROLLEY SYSTEM DO BRASIL LTDA

Av. Presidente Kennedy, 200
Portão Vermelho - CEP 06730-000
Vargem Grande Paulista - SP - Brasil
Tel: + 55 11 4612-0722 / 4158-9990 | Fax: +55 11 4612 0031
E-mail: vendas@ttsbrasil.com.br | Web: www.ttsbrasil.com.br

TTS CLEANING UK LTD

20 Fitzroy Square, Fitzrovia
London - United Kingdom
W1T 6EJ
Toll free number: 0800 285 1793
E-mail: uksales@ttsystem.com | Web: www.ttsystem.co.uk

TTS DE GmbH

Brienner Strasse 55
80333 - München
Fax: +49 (0) 2643 900 711
E-mail: vertrieb@ttsystem.com | Web: www.ttsystem.com



Headquarters

TTS Cleaning S.R.L.

Viale dell'Artigianato, 12-14
35010 - Santa Giustina in Colle (PD)
Tel: +39 049 93 00 710 | Fax: +39 049 93 00 720
E-mail: info@ttsystem.com | Web: www.ttsystem.com

made in Italy



Distributor

www.ttsystem.com

Photos and contents may have been updated