

Cheesemaking



Meat/Fish



Autoclaves/Sterilization



Bakery



Catering



Cable trays



Agri-food



We design and manufacture made-to-measure stainless steel accessories

www.tsa-industries.com

In the heart of Vosges, TSA Inox designs, manufactures and innovates in the production of stainless steel wire items for the agri-food sector and industry.

With more than 35 years of experience, we are constantly evolving and rely on our industrial excellence to satisfy our customers.

Our development strategy is based on innovation and export.



TSA Industries

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commercial@tsa-industries.com

TSA 
INDUSTRIES

RESEARCH OFFICE



INNOVATE, SUGGEST, ANTICIPATE

Our design department office lies at the heart of TSA's supply. Totally devoted to projects, it uses its experience and competences for their feasibility.

HAVE YOU GOT A PROJECT?

PRODUCTION



TSA Industries has more than 200 experienced employees.



We invest in the most efficient machines, usually made in France, Germany or Switzerland. We have a very large number of suitable machines at our disposal

for our various types of production:

- Small or large scale mass production
- Standard or custom-made products
- Special features (dimensional or shape tolerances,...)
- Electric, TIG or MIG, manual or robotic welding

We have several Electro-Polishing or Pickling-Passivation lines to ensure the performance of our stainless steel products.



INNOVATION IS A MAJOR FOCUS OF OUR DEVELOPMENT

We regularly file Patents.

Our Engineering Department is comprised of Technicians and Engineers specialists of your business..

In addition, we have partnerships with Research Centres, engineering schools and universities.

A few figures



more than
200 experienced
employees



3 sites
for production in Europe



400 tonnes
of stainless steel wires per month



1 research office & prototype service
entirely dedicated to projects,
we puts our skills and experience at your disposal for
your projects and their feasibility.



3,5 millions of filter trays
in use worldwide



300 000 grids
manufactured at TSA every year

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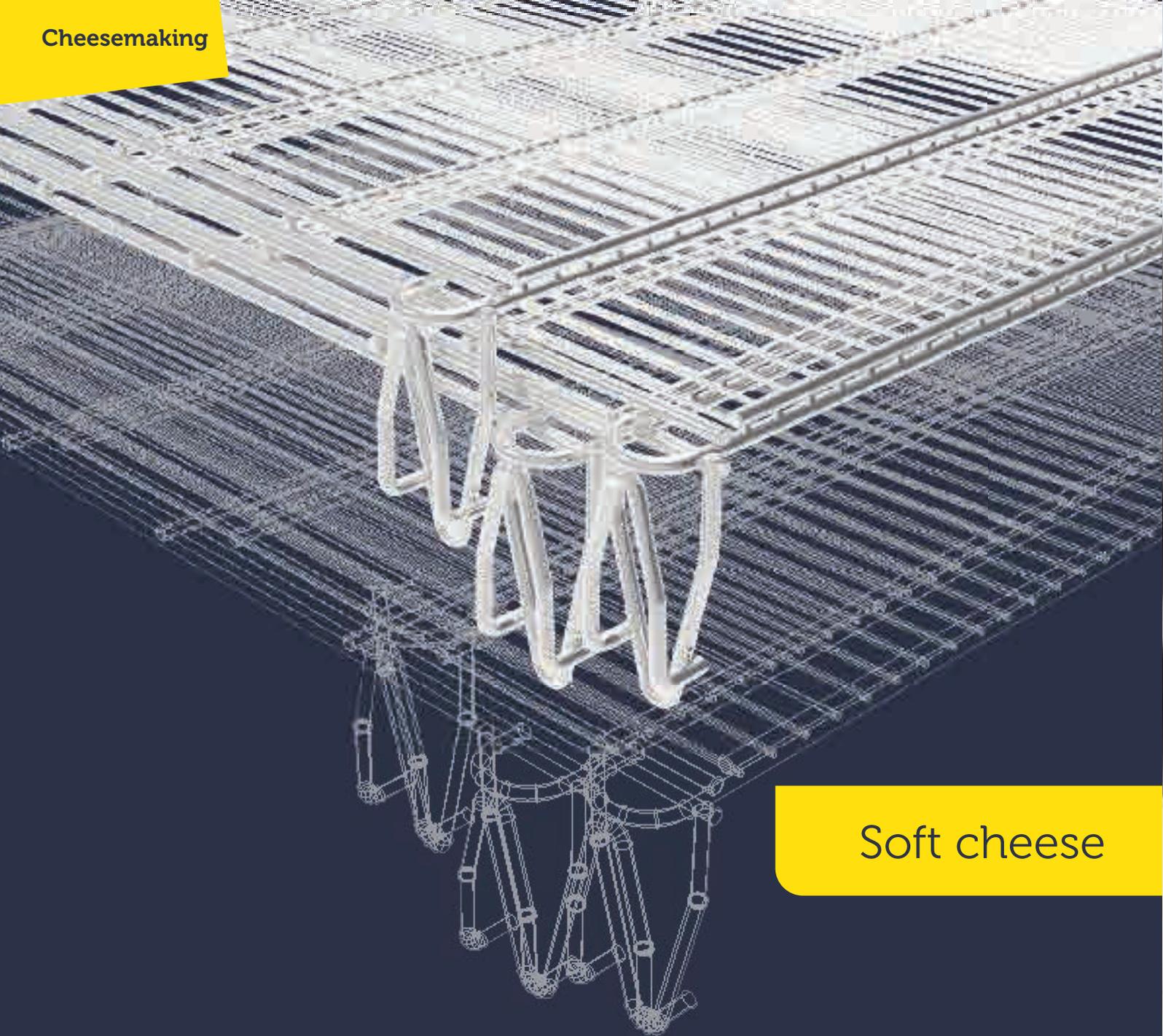
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Cheesemaking



Soft cheese

TSA 
INDUSTRIES

www.tsa-industries.com

Soft cheese

Our solutions for cheese factories

Our products are for cheese factories, dealers, analysis laboratories and sellers of used material.

Our excellent knowledge of cheese making processes, acquired over a history of 30 years, enables us to provide you with innovative solutions (some of which are patented) perfectly adapted to your own manufacturing lines, in particular in:

- Food safety
- Productivity (the performance of lines)
- Improved ergonomics
- Traceability

Contact us

+33 (0)3 29 42 50 00

All our material for cheese making is made of stainless steel 304 L or 316 L with a sanded/passivized or electropolished finish
High-frequency welding
TIG / MIG welding

Our R&D office innovates and designs the products best adapted to your needs.

TSA Industries provides you with a rack repair service.





Types of tray

Cellular trays adapted to «log» type cheeses.

Dimensions, diameters, and number of cells according to your needs.

CLFRO12133



Automatic line racks

6-legged racks facilitate larger sizes in particular, to be kept flat. Perfectly adapted to automated lines.

CLFRO12133



Types of tray

Corridor racks for cheese logs.

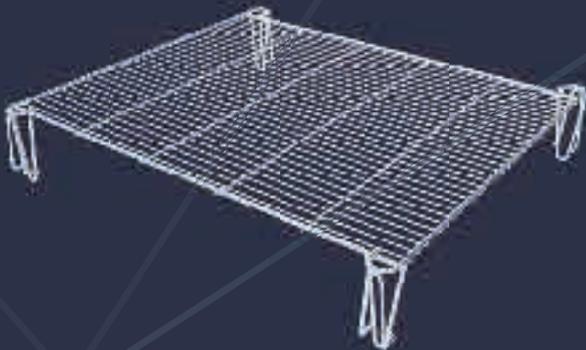
CLFRO12890



Guidance

Positioning trays for different types of cheeses
Saint Albray

CLFRO12420



Simple refining racks

Standard racks.
Height of the legs can be adjusted according to your needs.

CLFRO12155

OFF STORE® RACK

Off Store® rack

- Compatible with all sizes of racks
- Different meshes available
- Removal of plastic blind
- Better hygiene
- More respect for the environment
- Productivity gains
- Decrease in MSDs
- Possibility to convert your existing racks into an Off Store version®





Moulding tray

High rigidity of the trays to support the weight of the curd.

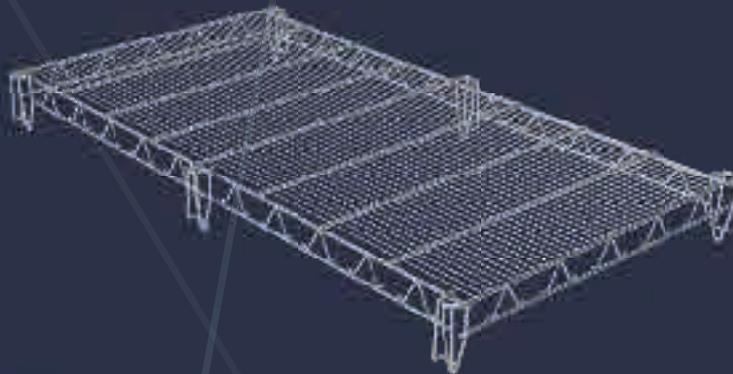
CLFRO10026



Moulding tray

Acidification racks for «log» type cheeses. Resistant cells made of perforated sheets.

CLFRO12225

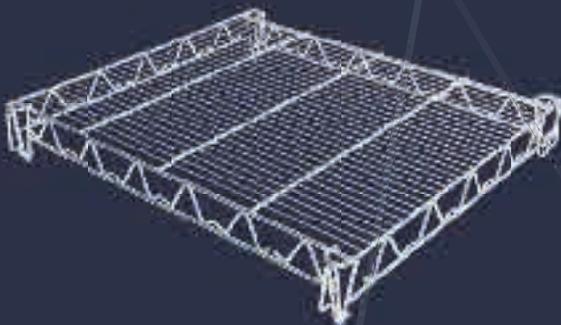


Brining

6-legged brining rack

6-legged brining racks perfectly adapted for larger rack sizes.

CLFRO12969



Brining rack

Brining racks with storage slots to ensure maintenance of the cheeses during the brining process.

CLFRO12443

Brining assembly

Example of a brining set consisting of: base legs/base frame/brining racks /lifting cheeks.

FIJOU10071



Soft
cheese



Plastics

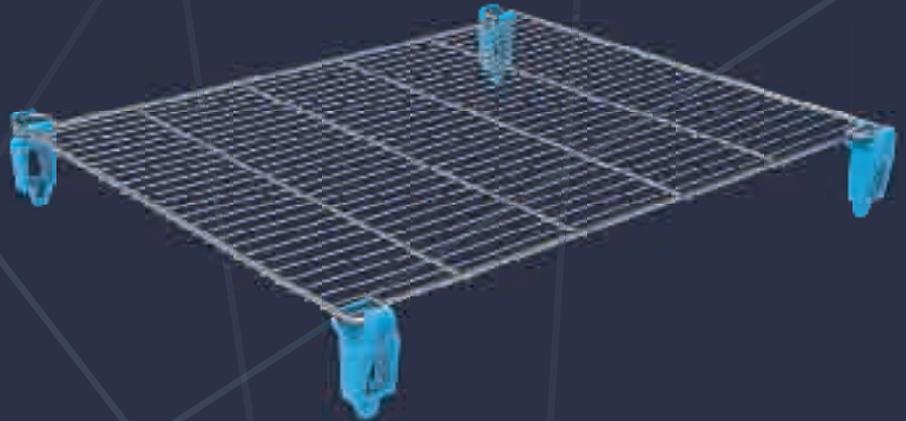
Interchangeable plastic legs for high precision when changing stacks of racks' height. Several leg colours available for easy visual identification. The different leg heights allow you to adapt your base according to the height of the cheeses.

MPHA000007

RIPENING

Simple plastic legged racks

CLFRO12888



Pull tabs



TSA legs



BASES

Bases

Wire wheel bases with or without brakes.

PBFRO12086



Bases

Flat iron rolling bases with or without brakes

CHFRO10021





BASES

Bases

Double base feet allowing 2 stacks to be gripped by pallet truck at the same time.

CLFRO12946

Bases

Double stacking base feet for doubling the storage capacity of a single stack

PBFRO12474



Bases

Angled base feet for easy washing

PBFRO12445

Bases

Single base feet for standard racks

PBFRO12003



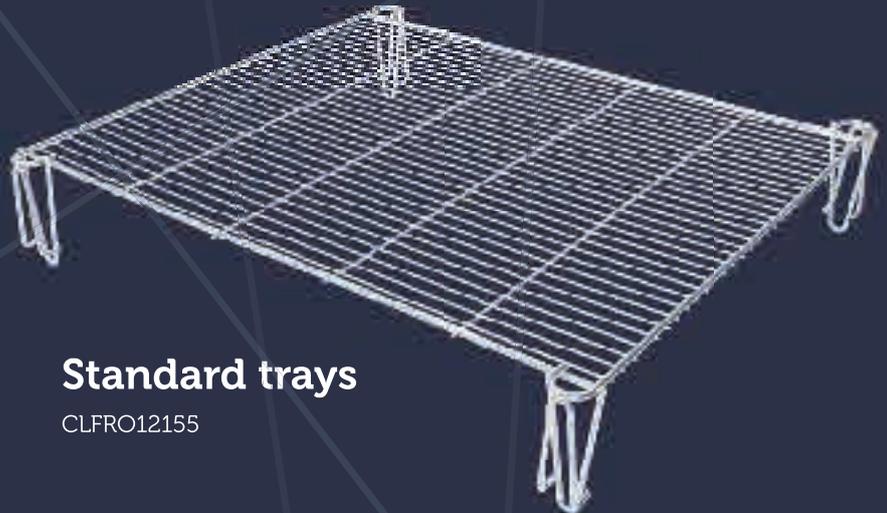
Soft
cheese



STANDARD TRAYS

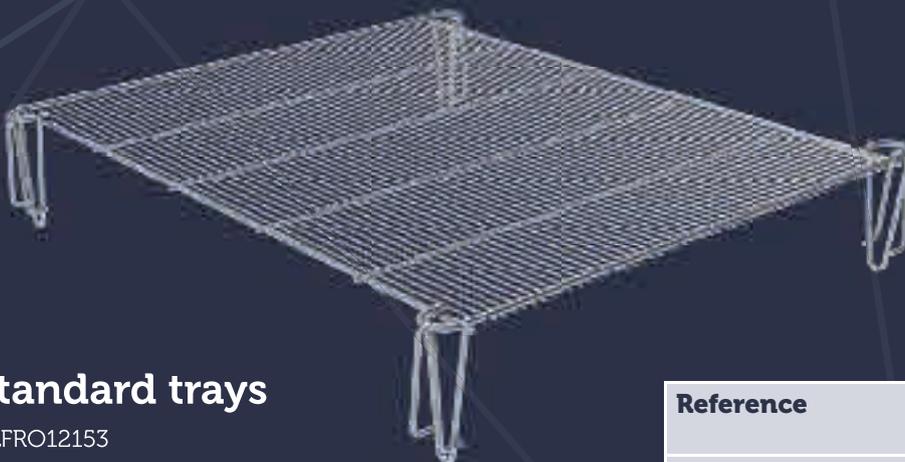
Standard trays

All standard dimensions
Leg height : 100/120
CLFRO12197



Standard trays

CLFRO12155



Standard trays

CLFRO12153

Reference	Size (mm)	Number of threads
CLFRO12197	630 x 510	25
CLFRO12155	630 x 510	31
CLFRO12153	630 x 510	51
CLFRO10760	630 x 510	45

Fix your trays!

TSA offers an efficient service and quality for the repair of your rack store room.



Repairs



Hard
cheese



Hard cheese

TSA 
INDUSTRIES

www.tsa-industries.com

Hard cheese

A sustainable investment for your cheese shop

Our products have excellent durability and environmental protection compared to those made with galvanised steel.

Our expert knowledge of cheese-making processes acquired over more than 30 years means that we can offer innovative and robust solutions that are perfectly adapted to your products and production lines, particularly when it comes to :

- Food safety
- Sturdiness
- Durability
- Improved ergonomics
- Traceability

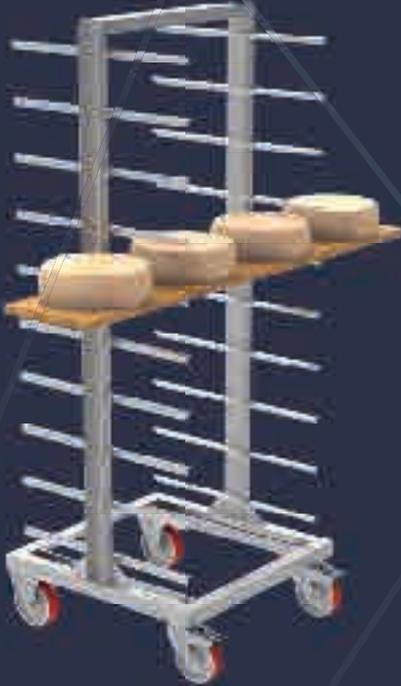
Contact us

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All our equipment for cheese production is made with 304L or 316L stainless steel with a brushed or electropolished, stripped/passivated finish.

Our creations (frames/racks/trolleys) are TIG/MIG welded by qualified staff.

Our design department creates products to perfectly suit your needs.



TROLLEYS

Board trolleys

Trolleys with a range of suitable castors (diameter, ball bearings, tread etc ...). Suitable for use with wooden boards, stainless steel gratings, plastic panels.

CHFRO10081

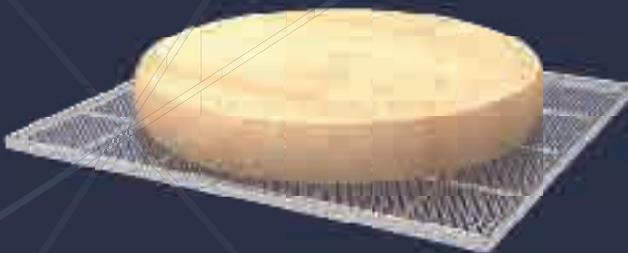


RACKS

Adjustable racks

Board racks are assembled with several modules that have been manufactured to specific measurements in line with the space available in your cheese cellars.

CSFRO10066



LOCK

«Refining Steel» foncet

Stainless steel lock covers which replace lock covers made from a «fibreglass» structure such as Affinair.

Sturdy, all stainless steel-made structure, supporting expanded metal while allowing flawless cleaning.

CLFRO12874



BOARDS

Reversible refining boards

This 100% stainless steel board allows Edam cheese balls to be removed but also, once turned over, allows the removal of any other cheese.

CLFRO12887



Refining frame

Designed in tubes with TIG/MIG welds, these frames can be made to your measurements. Excellent resistance over time compared with one of Galva's solutions.

CHVIA00013



Chassis heavy-duty

Robust and stackable chassis that can be moved by forklift trucks. All stainless steel design, made with TIG/MIG welding. Measurements and numerous levels adapted to your needs.

CSFRO10046

Wire frame

All stainless steel wire frames come with shelves lifts. Measurements and numerous levels according to your needs.

CSFRO10044



Chassis 4 entries

Very robust chassis. Design suitable for stacking frames. Number of entries adapted according to your needs.

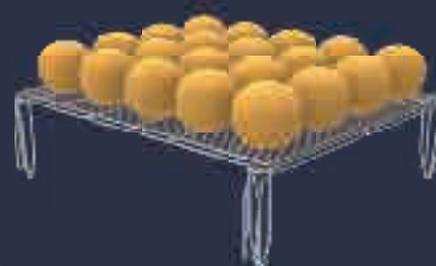
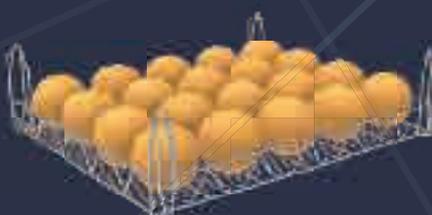
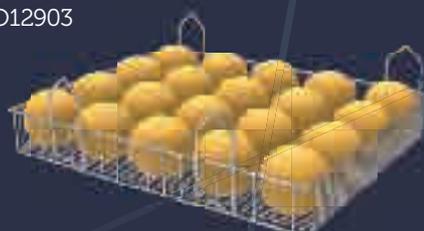
CSFRO10070



Racks

Refining rack for «mimolette» type cheeses.

CLFRO12903



Cheesemaking



Meat/Fish



Autoclaves/Sterilization



**The TSA Group offers you
a wide range of standard
or made-to-measure solutions.**

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Bakery



Catering



Cable trays



TSA 
INDUSTRIES

www.tsa-industries.com

We design and manufacture
made-to-measure stainless steel
accessories

Our process



A devoted
Team



Customer
relations



Expert
manufacturing



R&D

TSA Industries Group



We are the leader in
Europe in manufacturing
food processing
accessories



Turnover
of 25 million
€uros



Over 200
experienced
collaborators



3 production
sites in
Europe

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