TECHNO*mark*®

smart traceability

XS Inline

Integrate the most compact laser solution on the market

LASER TECHNOLOGY

INTEGRATED USE

COMPACT LASER HEAD

TECHNO*mark* 20 W

www.technomark-marking.com
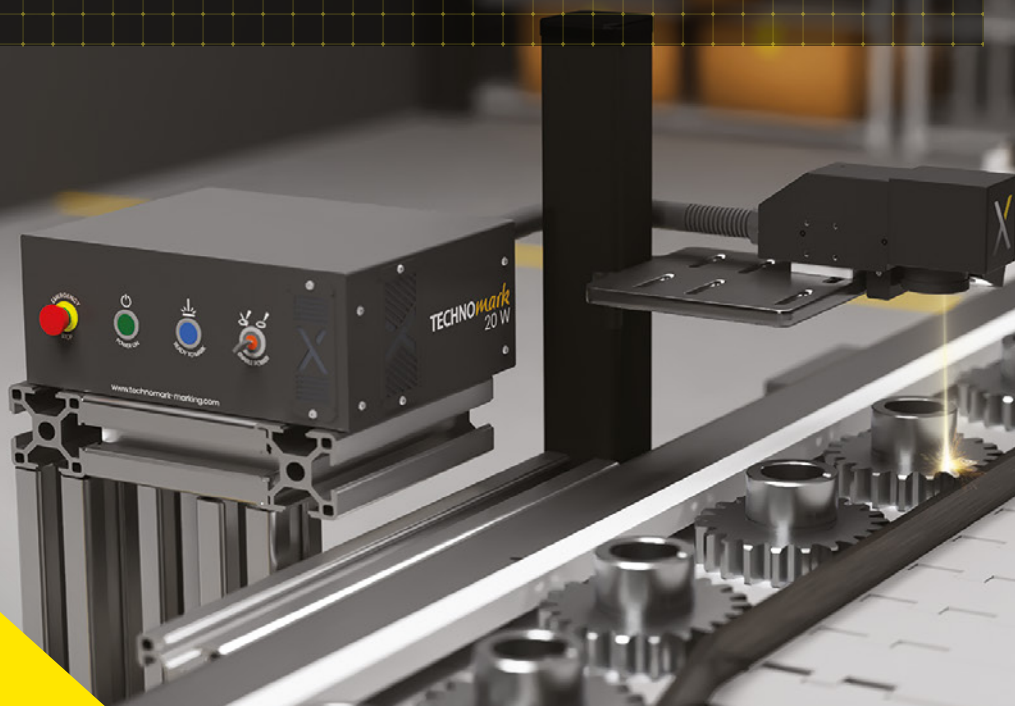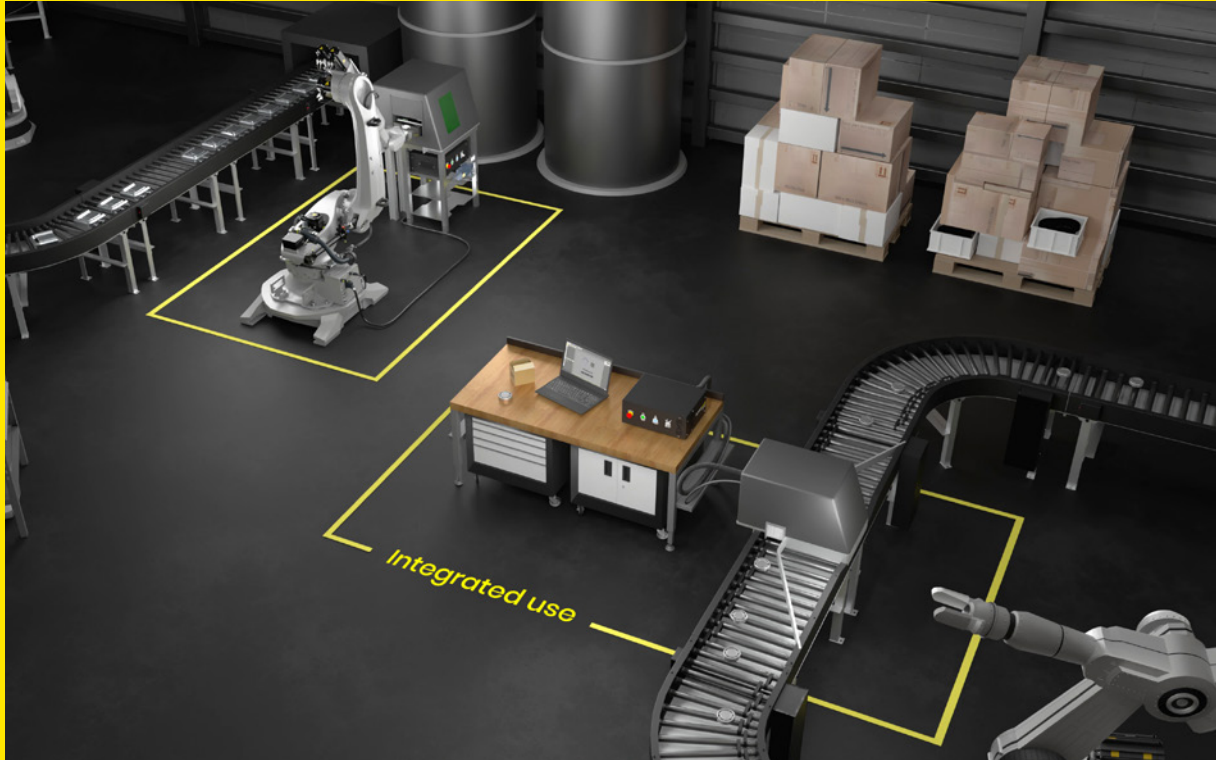
GRAPHI**X**.series®

XS Inline model

EASY TO INTEGRATE

NETWORK CONNECTION

READ & VERIFY FUNCTION

Integrated use

We have rethought the way we design and develop our products. Today, our marking solutions are the result of direct customer feedback across a wide range of applications.

Integrated use

1.
The machine is mounted **on a line or a production unit**

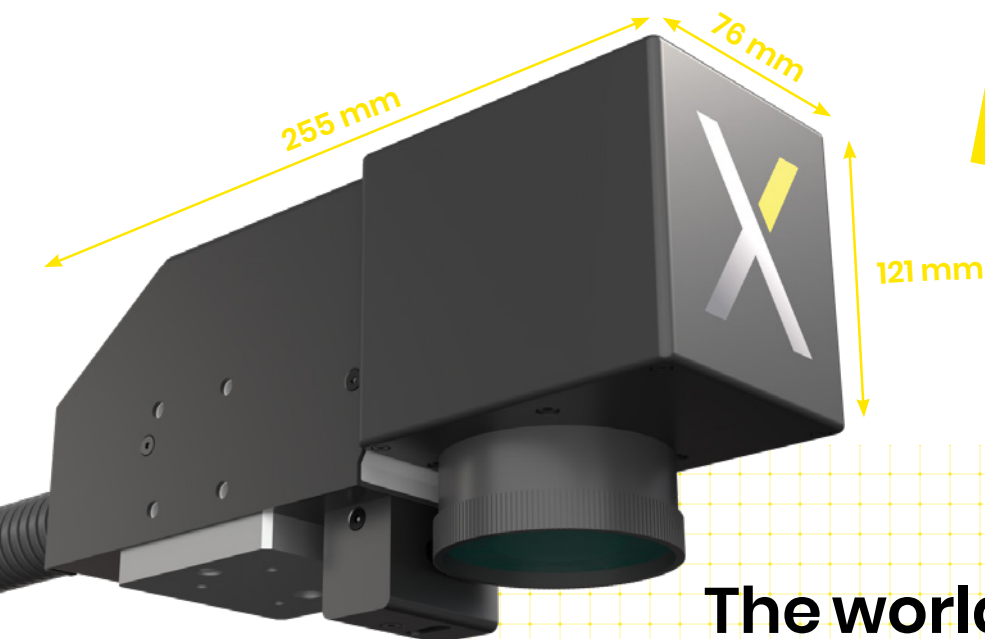### 2.
Markings are produced in **large series**

3.
Marking on **parts of any size**

Laser
Technology

- **High-intensity, fine-focused laser beam** directed at the part to be marked.

- **Non-contact permanent marking** on all types of surface

255 mm

76 mm

121 mm

Class 4 marking laser

2 power ratings available: 20W and 30W

The world's smallest integrated laser head

Easy to integrate
on a production line

- Multi-position marking head (360°) thanks to 3 fixing faces
- Fits into the most confined spaces thanks to its compact design
- Precise adjustment of focal length using the mounting plate (20 mm stroke) and cross laser pointer
- 3m laser fibre cable between head and controller
- Single energy source: electricity

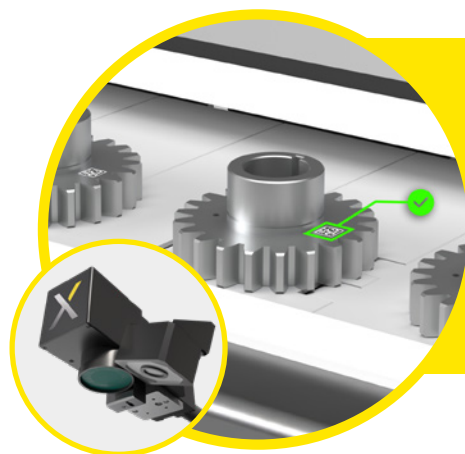**2 window sizes** available depending on focal length

```
160 focal
length
100x100 mm
```

```
254 focal
length
140x140 mm
```

« Read & Verify » function
ensures legibility of marking

- Camera-based reading and validation of 1D and 2D codes after marking
- Guarantees that the marking can be read
- Reduced risk of errors

Productivity

Developed for continuous operation 24/7

ROBUSTNESS

Laser machine designed with resistant and light materials, compatible with a demanding working environment:
- Aluminium marking head (2.1 kg)
- Aluminium sheet metal controller (8.9 kg)

CONNECTIVITY

The answer to Industry 4.0 requirements

Network connection
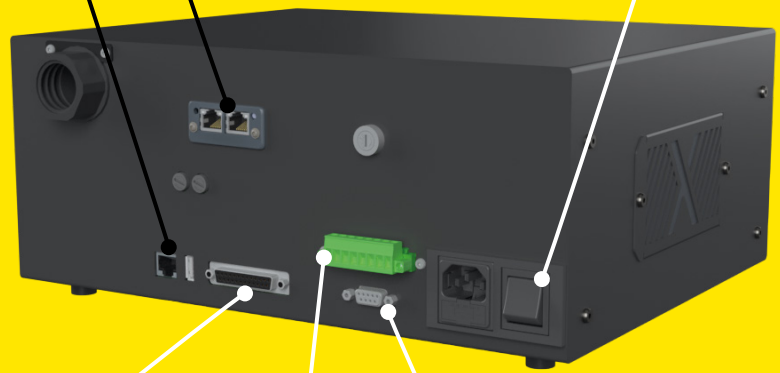### up to 3 Ethernet ports

- **PC control:**
  - PC connected to the same network as the station
  - File and logo saving on the network
  - Slave control with RS232 and Ethernet TCP/IP
- **Standalone operation:**
  - Ethernet TCP/IP
  - **EtherNet/IP** or **PROFINET** field network
  - Backup of files and logos to a shared network folder

Power supply button

Inputs/outputs

- **8 inputs**: launch marking, upload file, reset serial number, etc.
- **8 outputs**: system ON, laser error, marking in progress, etc.

8-pin terminal block

Safety sensors and 24V output

Accessories

Motorised D-axis or Z-axis connection

152 mm

324 mm

366 mm

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Controller:

- Emergency stop button
- Security key to activate marking mode
- « Laser operating » and « machine ready to mark » indicators
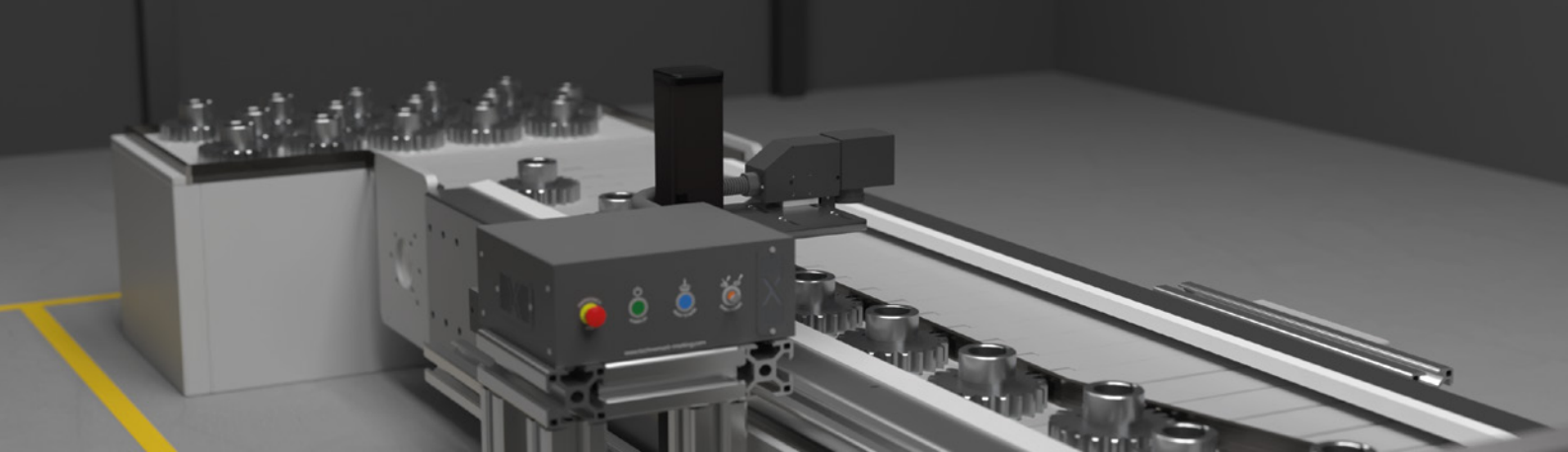
Many types of marking possible

Alphanumeric

Bar-code

Timestamp

2D Datamatrix

Logo

DRIVING SOFTWARE

Capacity to meet your expectations

Advanced functionality

- Possibility of control from a distance
- Offline file creation
- Recovery of marking data via a SQL or CSV database
- 2 types of profile: supervisor and user
- Marking history
- Marking parameters test mode to obtain the required result easily
- Numerous marking options: logos, alphanumeric, 1D and 2D codes, shapes, images, etc.
- Multilingual: 7 languages available

Intuitive and easy to use

MATERIALS TO BE MARKED

METALS		PLASTICS	
	Steel		PVC
	Stainless steel		Polyamide
	Aluminium		Polycarbonate
	Brass		Polyethylene
	Titanium		Polypropylene
	Silver		ABS
	Bronze		Acrylic

Non-exhaustive list

Available licences

- **« Read & Verify » licence**
  Reading of 1D/2D codes after marking

- **« Standalone » licence**
  Machine-independent operation

- **Field network licence**
  Control with Ethernet/IP or Profinet

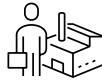- **Database licence**
  Import of marking data

Long-term support

Pre-sale

FEASIBILITY STUDY

SAMPLES MARKING

ON-SITE TESTING

CUSTOMIZATION

After sales

HELPLINE

TRAINING

SERVICE AND MAINTENANCE CONTRACT

REPAIR

LOAN OF EQUIPMENT

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