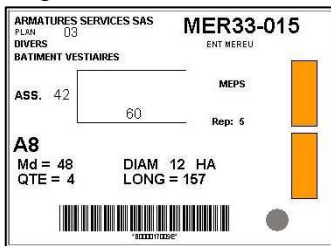




BARCODE & DOWNLOADING .

Comparison

Tag



Linear barcodes

The **linear** barcode is a figure succession which allows to **identify** a member, a shape, a person, an action ...

It can be printed on cutting tags, lists, badges.



Downloading

The **couple**, machine and barcode reader, is **linked** to the Ethernet network by an interface module , the **Netbox**(*)

Downloading steps :

- 1° The **barcode** on the tag is read with a **barcode reader**
- 2° The **barcode** is sent to the **server** which can **identify** the **shape** to download
- 3° The **shape** description is then **downloaded** on the machine

Advantages

The tags can be **exchanged** between the machines.

Production display and control in **real time**.

Possibility to load **cutting list** on the stirrup machines.

Possibility to load **optimisation list** on the shearlines.

All the machines are **connected** to the **network** and can be seen from whatever computer.

We can easily **add** or **cancel** an order to produce.

It can be **progressive** towards other technologies (ex :WIFI) and towards other **fonctionnalités** : workers management, deliveries etc.....

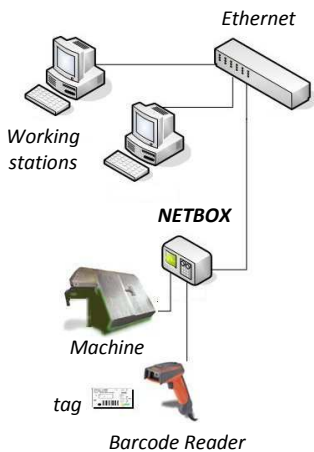
Disadvantage

Cabling

(*)NetBox:

Box which allows to link your production machines to your computer network.

Supplied by Ariadis



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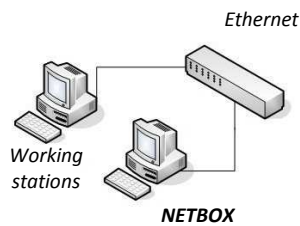
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2D Tag



2D Barcode or PDF-417

- The 2D barcode is a **pile** of several barcodes which can include over **2500 characters**. It can **integrate** a whole list of information as the shape description with its characteristics.



Downloading

The Barcode reader is **directly** connected on the machines to download. The tags are printed with a 2D barcode which contains the shape **description**.

The barcode reader reads the tag, gets the description and sends it directly to the machine.

Advantage

Installation costs **less**

Disadvantage

- According to the machines, the tags **exchange** can be **impossible**. To change machine, you will have to print one more time the tags .
- No produced shapes **return information**
- The shearlines **cannot be easily** downloaded

PDF 417:
180 alpha-numeric
characters by cm^2 .

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