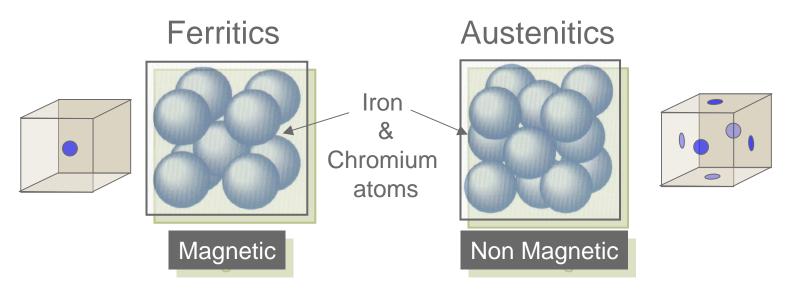




## Arcelor Mittal

#### Magnetism: a simple question of atoms!



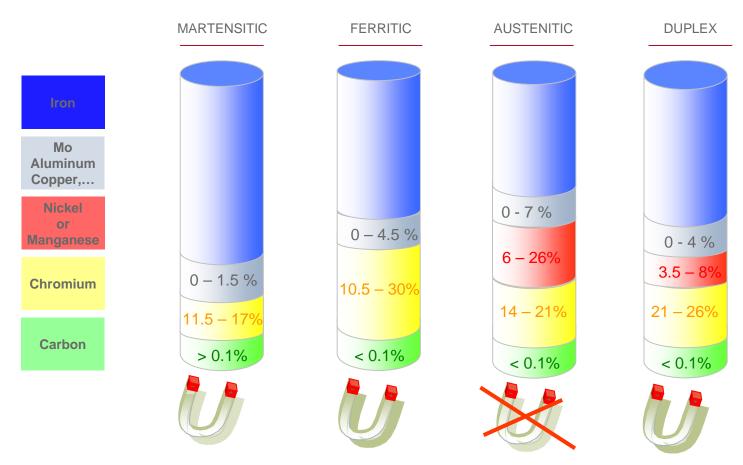
➡ Physical properties will be different (nothing to do with corrosion resistance)



# All stainless steels are magnetic, except Austenitics...



2



Magnetism = nothing to do with corrosion resistance A proof : super duplex stainless steels used for chemical and offshore applications



#### But even Austenitics could be magnetic...

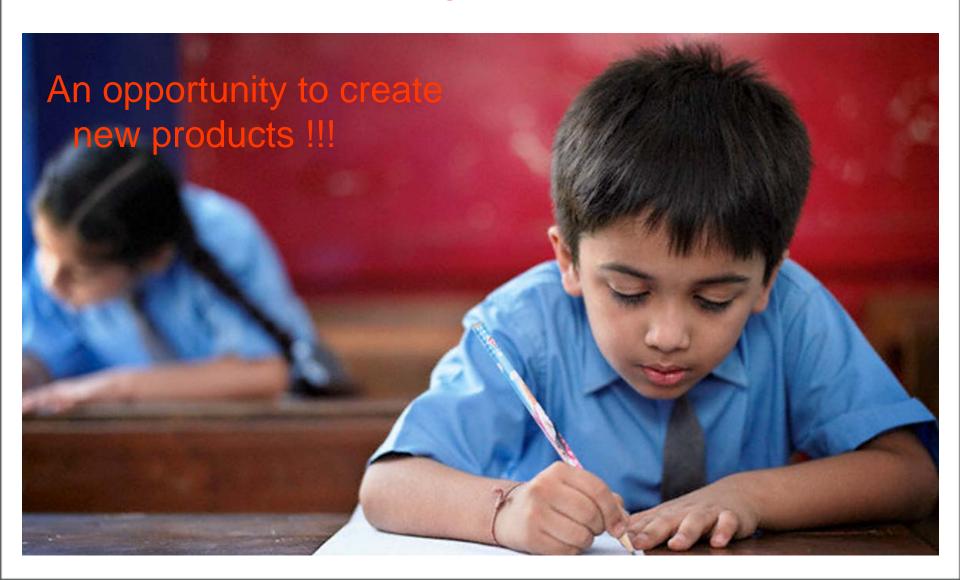
It is possible for the magnetic permeability of austenitic steels to be changed during processing. For example, **cold work and welding** are liable to increase the amount of martensite and ferrite respectively in the steel.

A familiar example is in a stainless steel **sink** where the flat drainer has little magnetic response whereas the pressed bowl has a higher response due to the formation of martensite particularly in the corners.





### Be innovative, use magnetic properties







#### Induction

#### Traditional and well known application....induction cooking



Ex: Bourgeat

Or cooling....

Other application: Blanco



Docking bay with induction technology for food regeneration



#### Open and close...

A simple and economic way to open or close a door...

using only one hand





A door or ...





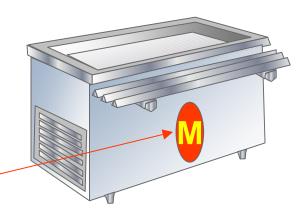


#### Temporary fixation...





Name of end users or patients (hospital)



Name, Logo of company,

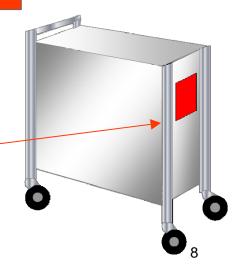
### Danger!

Modified each day...



N° of the building, address, menu, ...

Hot!





## Temporary fixation ...



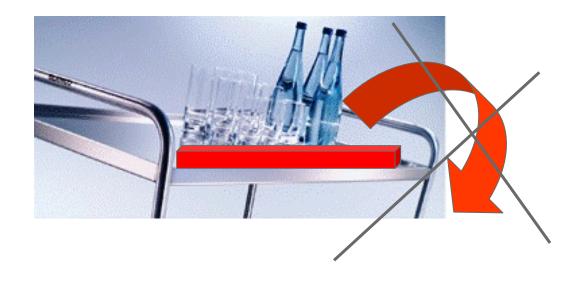


Or ....





### Temporary fixation

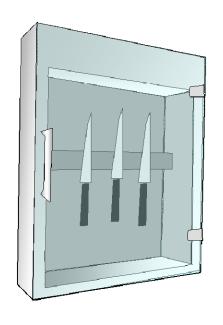


Or a simple solution easy to remove, easy to clean...

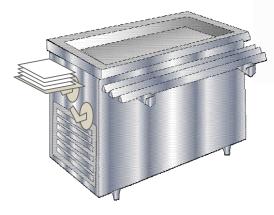




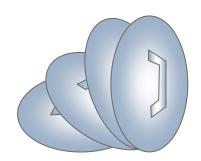
## Temporary storage ...



Ozone cupboard









Temporary holding...



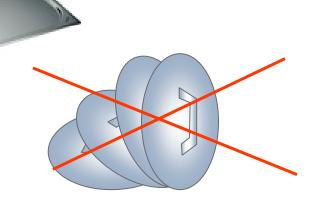


A way to avoid hot handle

LID WITHOUT HANDLE
FLAT LID FOR COMPLETE
FILLING.

Confidential

**Easier to store** 





# And a lot of other functionalities : Ex.. Security functionalities

Hot or cold



Open - Close



Limit level of water...

.