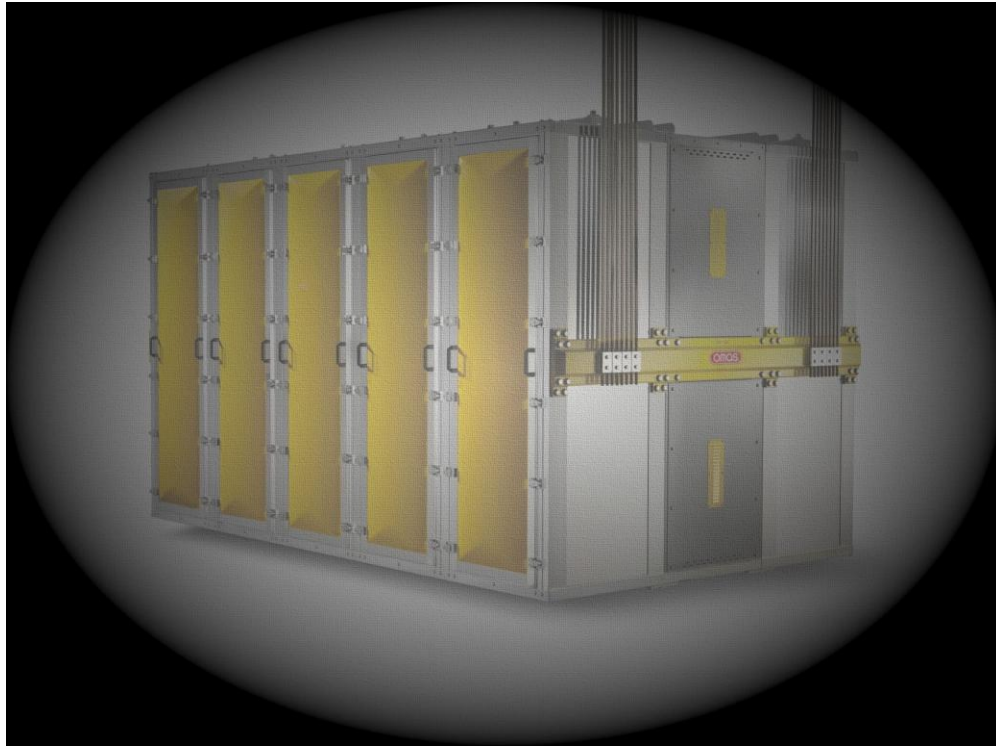


CAPE TOWN 23-25 NOVEMBER 2010



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# GALILEO , OMAS's sifting concept

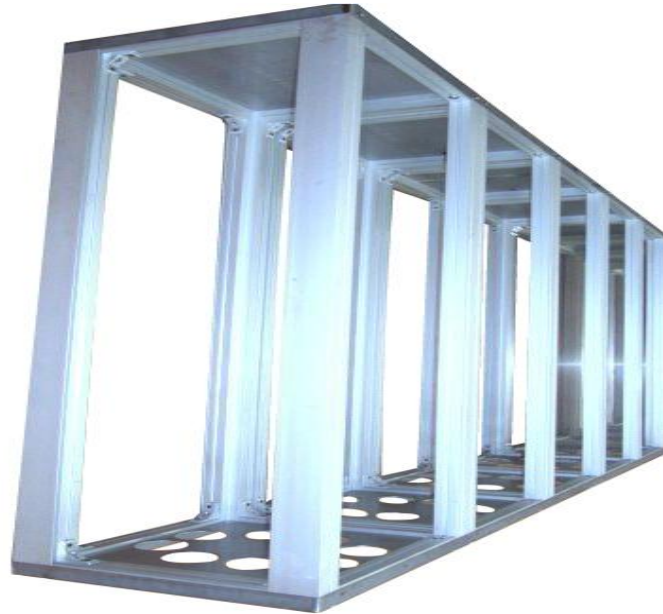


## To design GALILEO OMAS technical department focus on

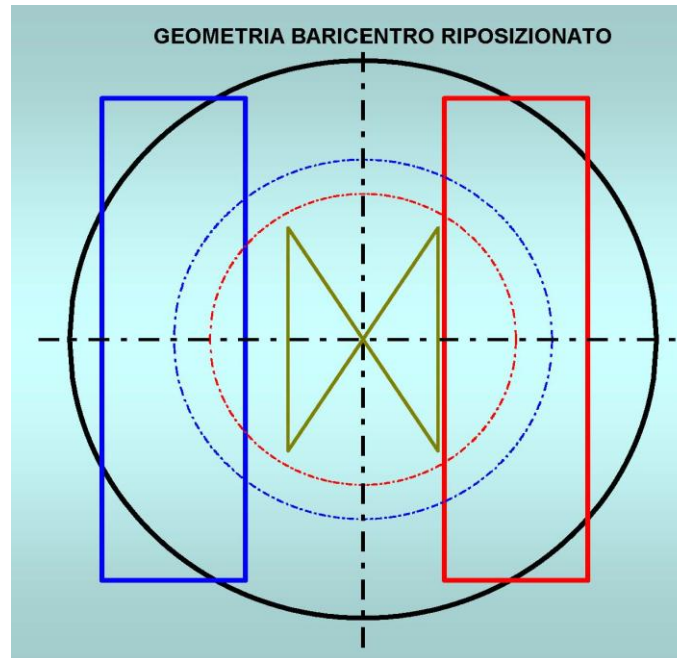
- 1) The elimination of condensation inside the sifting box
- 2) Elimination of bacteria growth
- 2) The elimination of maintenance
- 3) Increase the sifting efficiency
- 4) Reduce power consumption
- 5) Noise reduction



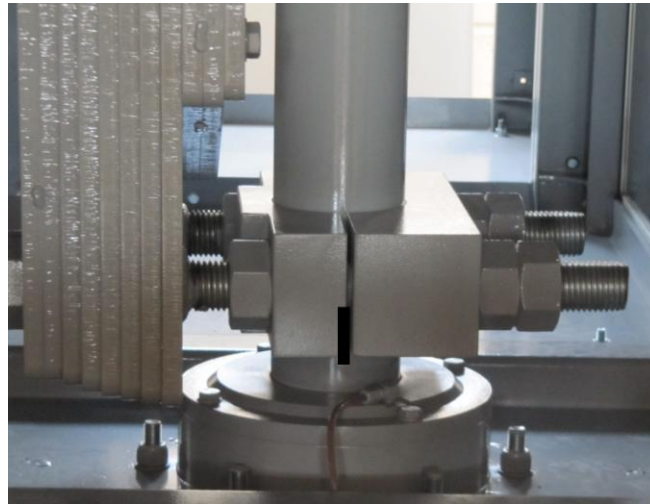
Structural Frame : realized in extruded anodize aluminium  
profile (Aluminium EN-AW6063 ed EN-AW6060)



Motor Driving Unit : installed inside the machine and able to run from 220 up to 250 rpm with 6 poles motor from 3 to 11Kw and with 65 mm oscillation range

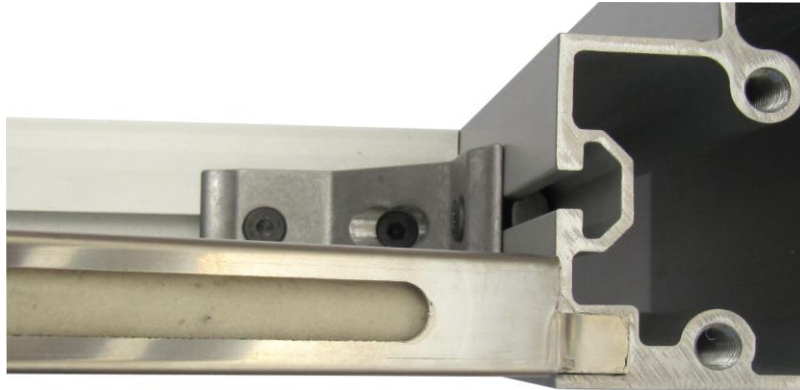


Cinematic System: certified C40 steel shaft with 110 mm diameter hold  
by N° 2 double row roller bearing with 10 years operation  
guarantee

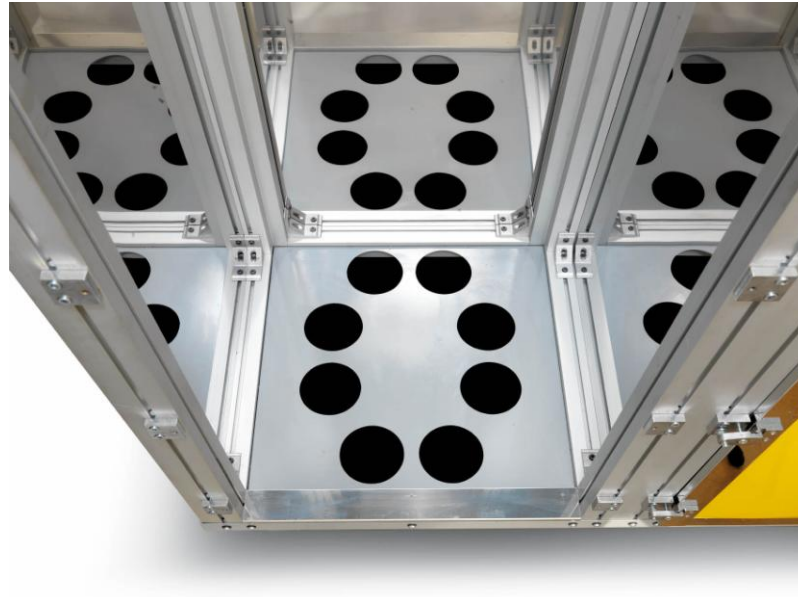


Side Wall : Obtained by means of joint two shell of Stainless Steel  
AISI 304BA

And later filled by injection of self rising water base foam with  
thermal conductivity equal to  $0,35\text{w/m}^2\text{K}$  and specific weight of  $30$   
 $\text{Kg} / \text{m}^3$  . Wall Thickness  $25$  millimeter



Sifting box : are obtained by joint and glued with epoxy two component glue of insulated side wall to the aluminum profile

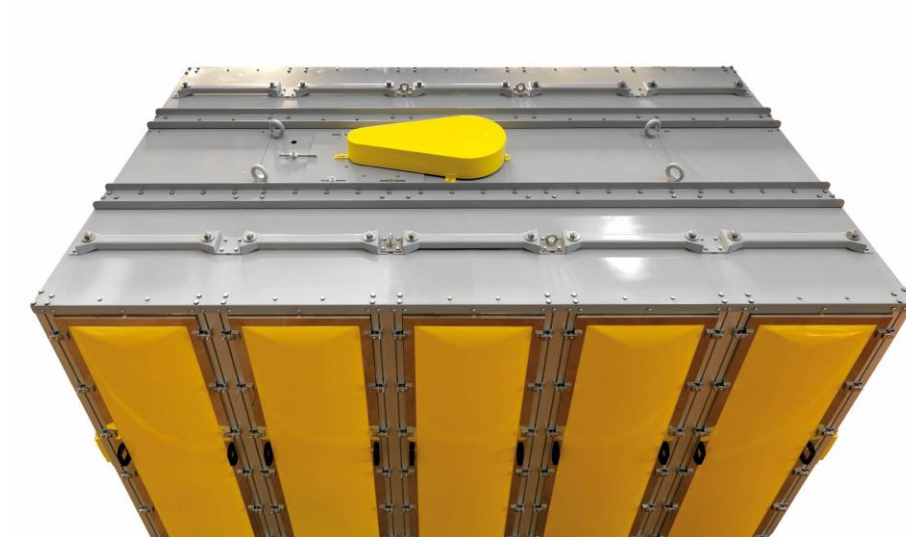




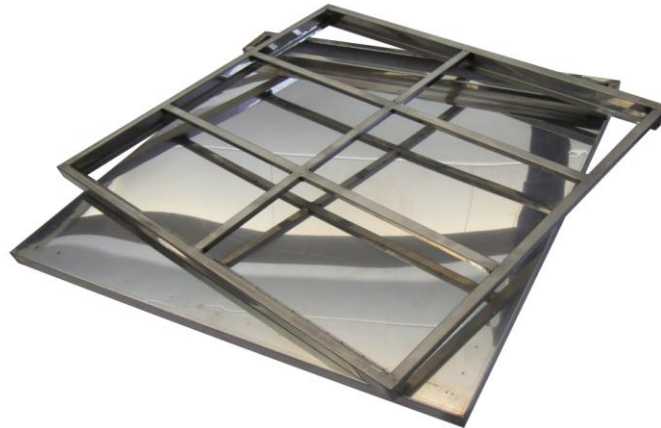
Doors : Internal side made in stainless steel AISI304BA and joint with the outside shell made in Polycarbonate . The door are later injected with water base self rising foam, Thickness of 55 millimeter.



Sives locking device : realized in painted Carbonio steel and fitted n the outside of the machine



Sieving Frame : made in Aluminum or in Stainless steel AISI 304BA with Nylon cloth or metallic net glued



Sealing : the gasket can be made in silicon or felt The door is closed buy dedicated locking elements .



# GALILEO benefits

- Utilization of bolts and nuts instead of welding .
- Elimination of painting .
- Stainless steel in contact with milling products.
- 10 % Machine weight reduction.
- Reduction of driving motor size and power consumption.
- Reduction of Decibel emission
- Complete insulation of the machine.
- Elimination of water condensation.
- Top sanitation sifting process



# GALILEO your partner in sifting



**Galileo in on show outside  
convention center !  
Thank you for the attention !  
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