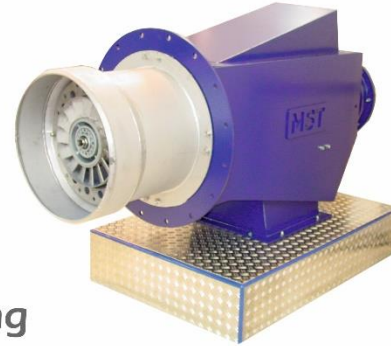




MSM-May

Ihr Spezialist für Biomasse-Feuerungen

- Staubbrenner
- Heißgaserzeuger
- Steuerung
- Automatisierung



25
YEARS

Multifuel Burner

Hot Gas Producer

Control Systems

Automation

Your partner for dust-firing systems

**We thank you for the confidence
that you continue to place in us
and appreciate your continuing support
and loyalty.**

25
YEARS

Various naturally occurring E. Forms

Useful management with remaining energy resources of the earth

Safe the energy resources for future generations





MSM-May
Combustion Systems

25
YEARS

MSM Multifuel Burners

- Gas-/Oil-/Dust combined or single mode
- No support flame necessary
- Big sight glass and maintenance cover
- Modulating diffuser



Your partner for dust-firing systems



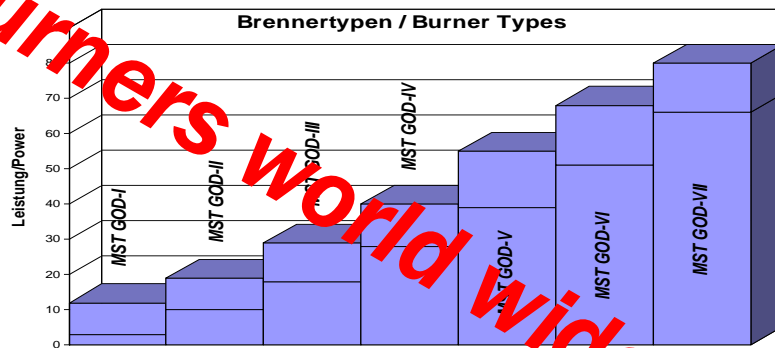
MSM-May
Combustion Systems

25
YEARS

MSM Multifuel Burners

Modular burner types for 3
MW up to **100 MW**

In 10 years we installed a
combined burner power of
about 3,000,000 KW
worldwide, and advanced to a
leading company for multi
fuel burners using wood dust

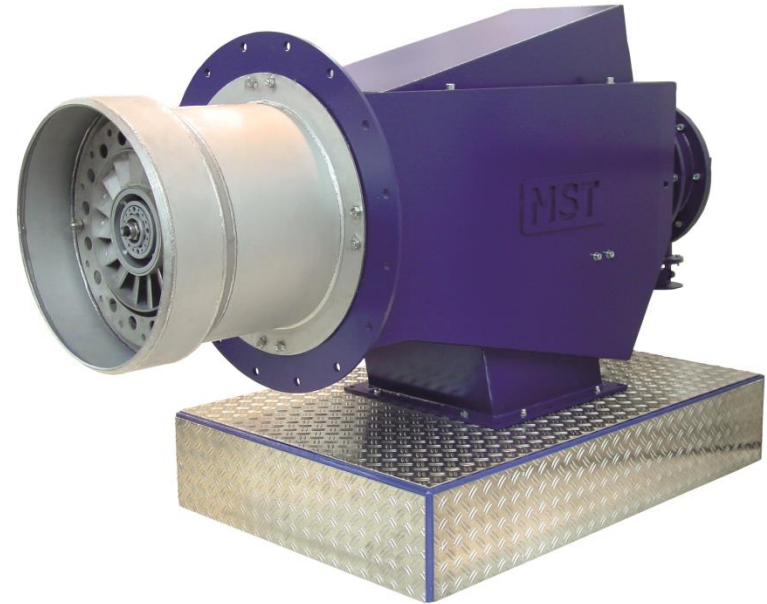


Your partner for dust-firing systems

Burners

Our multi-fuel burners are ready to run with oil/gas and wood-dust and are suitable for the most different applications. Based on established technologies our burners (3-100 MW) come with special advantages like:

- Optimized firing guidance over the entire capacity range realized by moving diffuser assembly.
- Maintenance friendly construction units (module principle)
- Use of high-quality materials and accessory
- Dust nozzles with increased service life also for strongly loaded types of dust
- Big sight glass for flame observation
- No “glazing” inside our combustion chambers due to multi level supply of secondary air



NEWS

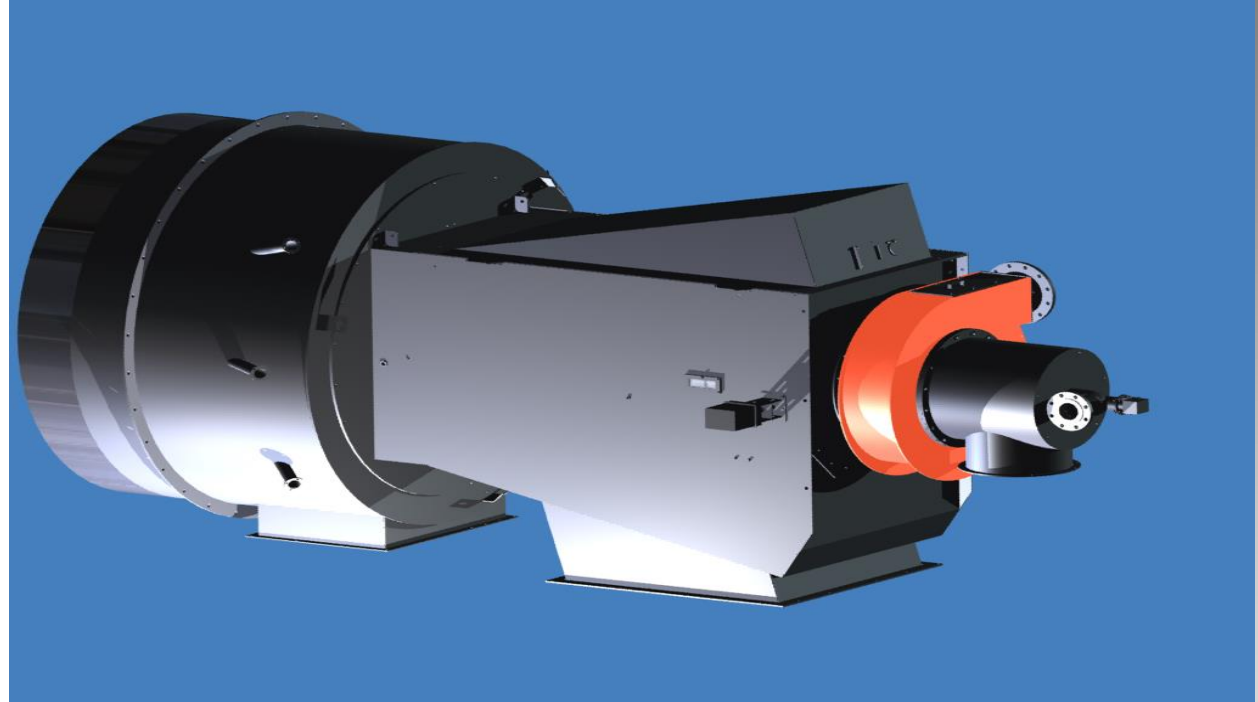
Now Hydrogen-firing systems

by MSM-May GmbH



Modular design

Easy to maintain



3D View MSM Burner





75 MW Gas- / Dust Burner = 16.000 kg Dust per hour

We offer total service for your plant, starting from the first contact up to support during operation:

Installation and commissioning of multi fuel burners >Emissions measuring for all-fuel burner.

All-the-year maintenance service and maintenance contracts.

Training for the plant staff of multi-fuel-burners

Worldwide support in the search of spare parts for old burner.

Our engineers design complete plants as well as individual components – optimized for your individual application

built according to our modular design

12MW gas/dust burner



Made in Germany



7MW and 75MW

Burner housing in workshop



35 MW Oil/Dust Burner

Factory adjustment of moving difuser



Inside of our burner



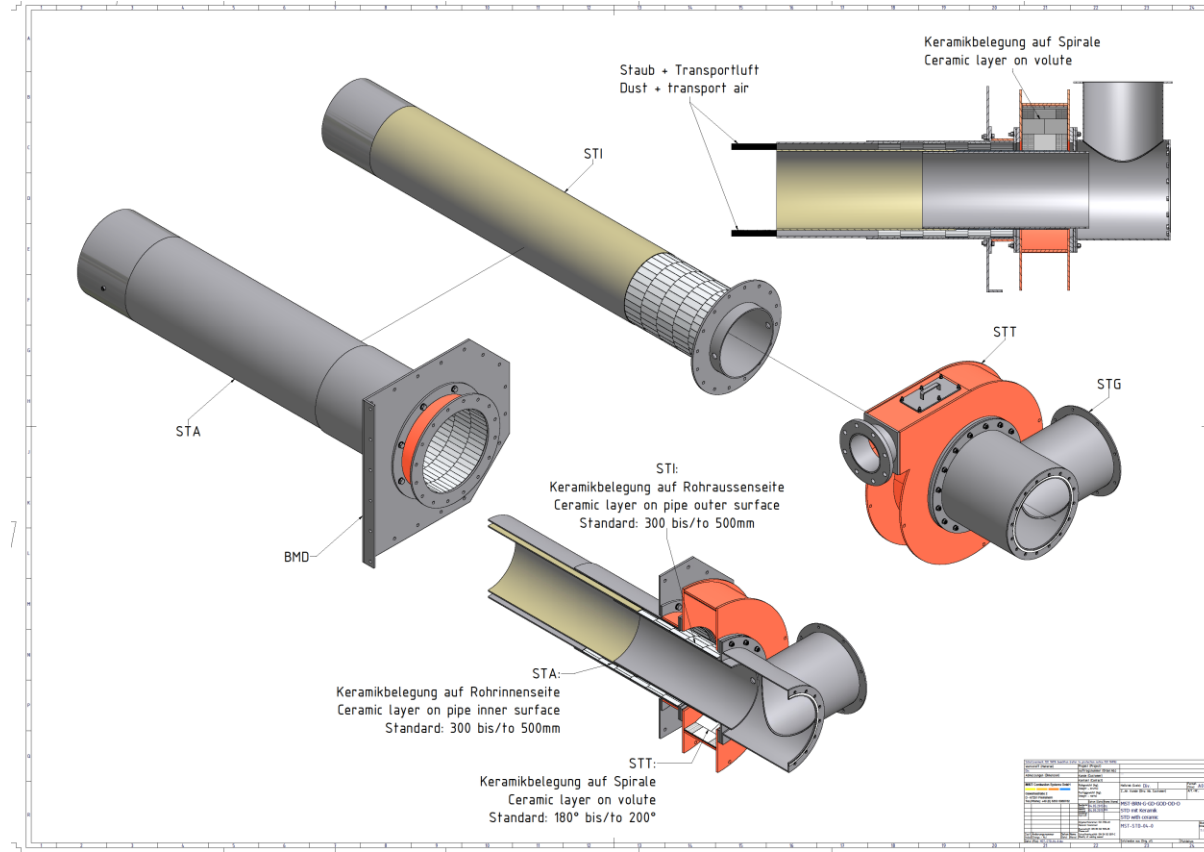
MSM

Dust Nozzle

Ceramic Lined

- ceramic layer on volute
- ceramic layer on outer surface
- Ceramic layer on inner surface

Warranty period
of dust nozzle is
12 months



High quality dust nozzle of MSM Burners

MSM

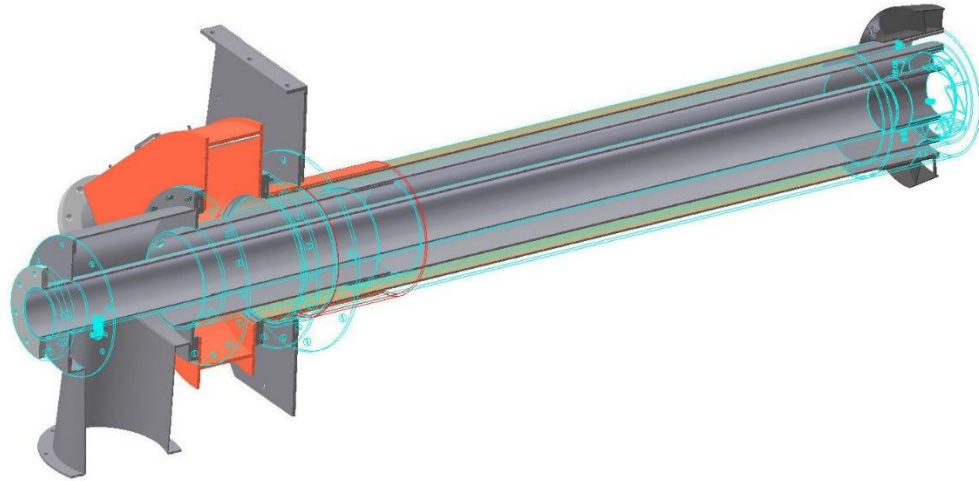
Double Dust Nozzle

Ceramic Lined

- 1st dust nozzle with:
 - a power between 3 - 9 MW
- 2nd dust nozzle with:
 - a power between 5 - 25 MW

Full power together 30MW

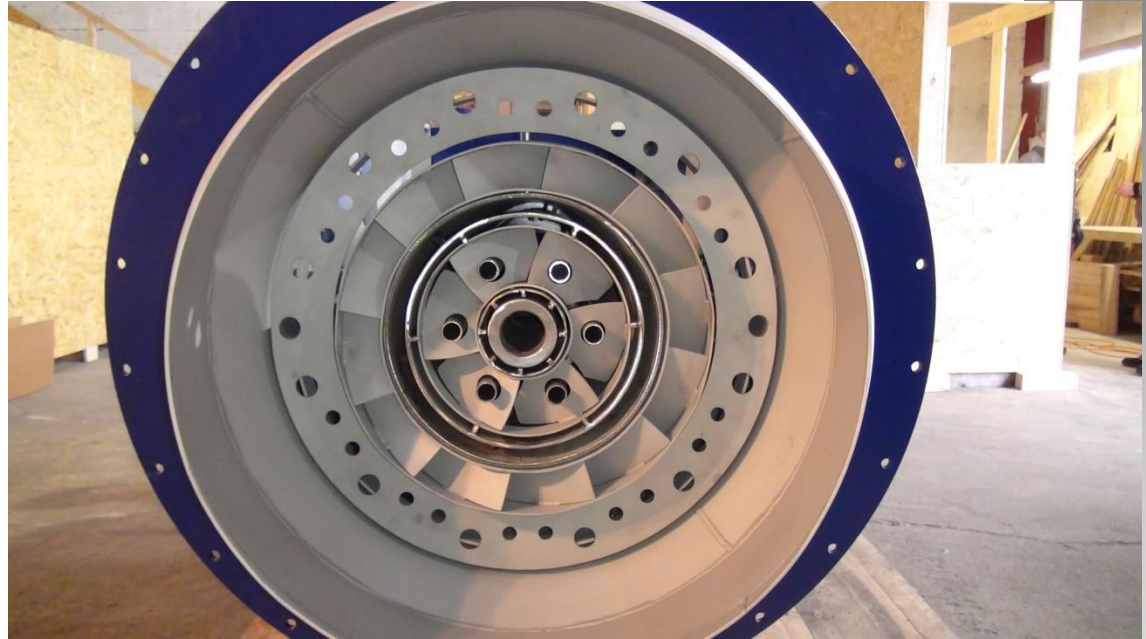
**Warranty period
of dust nozzle is
12 months**



High quality double dust nozzle of MSM
Burners



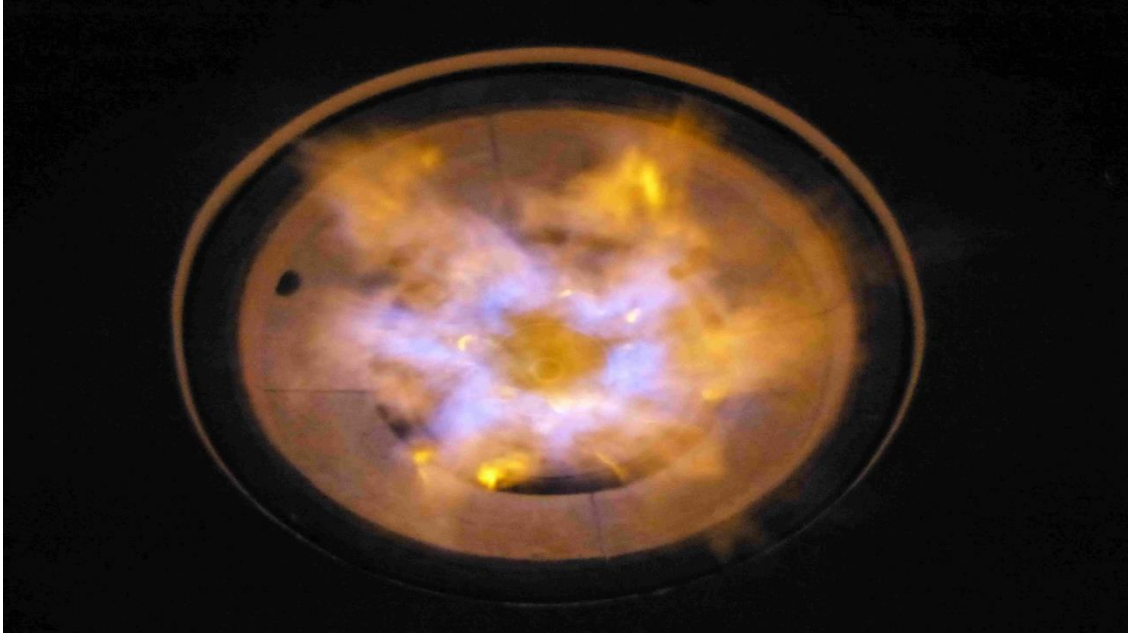
Frontview of 15 MW MSM burner
in workshop, made in Germany



Tested and ready for delivery



MSM Burner - clean and clear
Hydrogen flame 15 MW



15% of Burner Power – 330 m³ Hydrogen



View through sight glass of MSM burner



NEWS

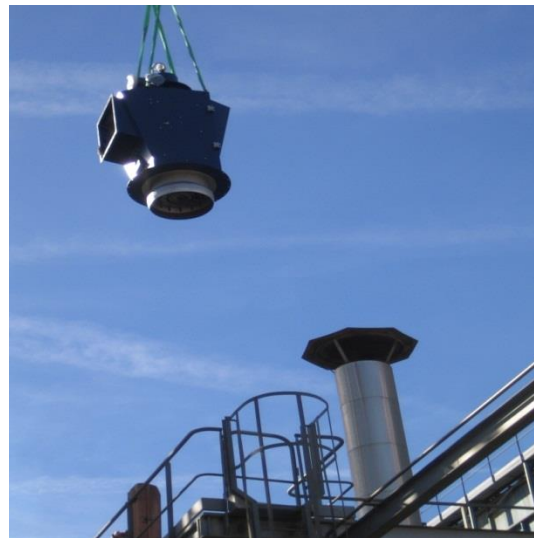
Now Hydrogen-firing systems

by MSM-May GmbH





New roof for existing combustion chamber



New burner for combustion chamber

**We find the technical and economical optimal solution
and the most efficient way to integrate our products in your plant.**

Our staff are always on site and oversee the smooth running of their operation



Full support at customer sight



MSM-May Combustion Systems

25
YEARS

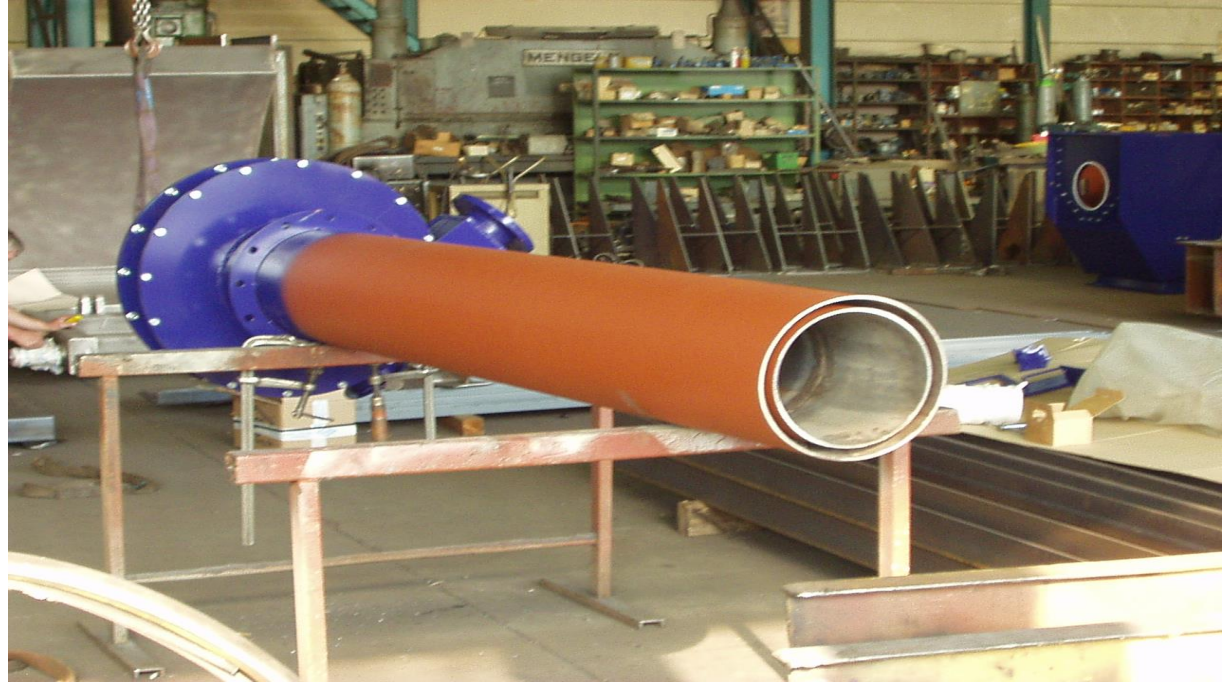
**25 MW Gas / Dust burner in
Menznau - Switzerland**



Krono Swiss / Switzerland

Your partner for dust-firing systems

High quality spare parts for
MSM-Burners and burners of
different brand.



Maintenance at workshop in Germany



3,5 MW Hot gas generator for aggressive gases.

Engineering, Design and construction and automation by MSM.

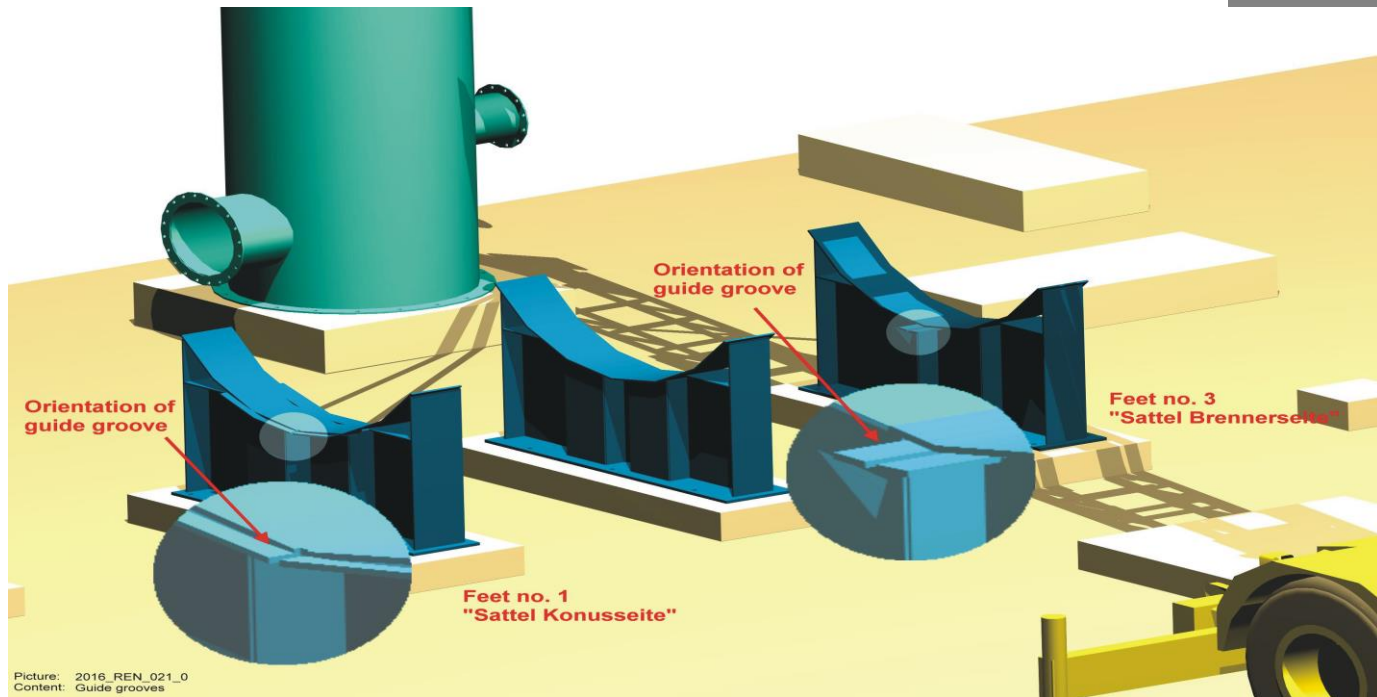


Formosa Plastic, Taiwan (ROC)



3,5 MW Hot gas
generator for aggressive
gases.

Full featured 3D-
installation/erection
manual.



Burner housing for 90 MW

Gas_dust burner

in our work shop



Kronospan Russia / UFA 90 MW

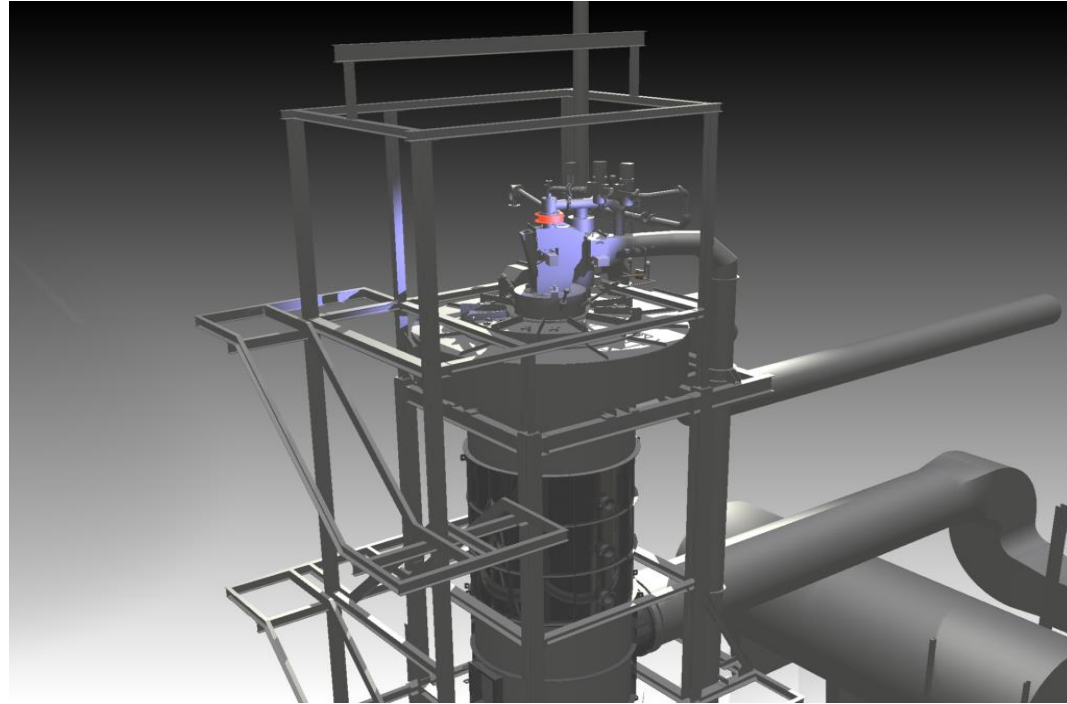
The biggest burner in the world



35MW gas_dust burner
installed in the roof of
combustion chamber



Design of Combustion Chamber with
MSM Burner **Typ GD 10-1**



3D Design of Combustion Chamber



[illegible]

for fabrication and installation



**MSM-May
Combustion Systems**

25
YEARS

Automation

- Modernizing of old S5- or contactor controls
- Retrofitting of HMI systems
- Control systems for
 - Burners
 - Boilers
 - Driers
 - Material handling systems

PLC-cabinet



Failsafe PLC with software
burner control unit

Power-cabinet



Profibus or Profinet

Frequency
converter
dust dosing
screw



Frequency
converter
Combustion
air-fan

Failsafe In-/Outputcards for
supervision digital-/analog-signals

Local-panel burner



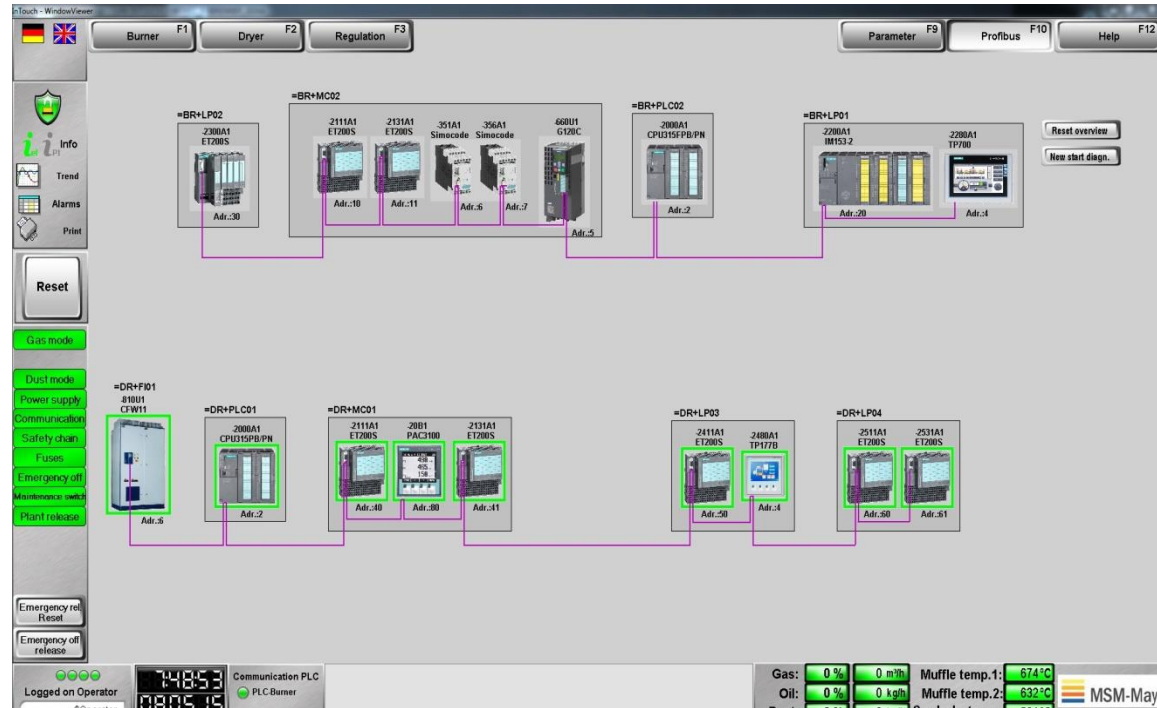
Realtime calculation
of lambda

Touchpanel for
service and maintenance



Overview of Profibus Visualisierung

Burner/Dryer



Power and control panel for
drier system in our workshop

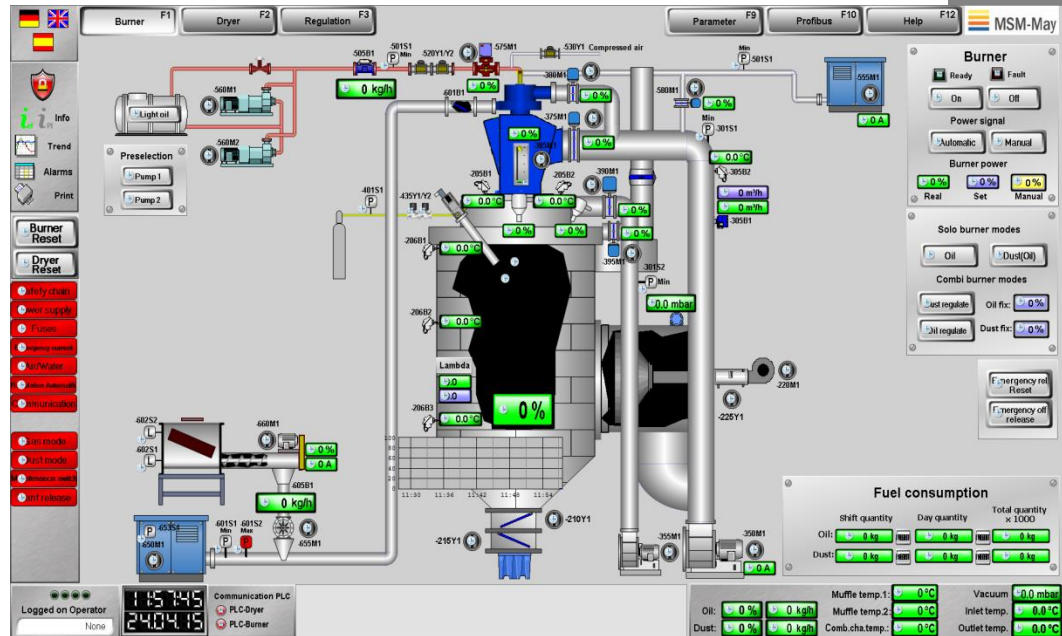


Test run of switch
cabinets before delivery

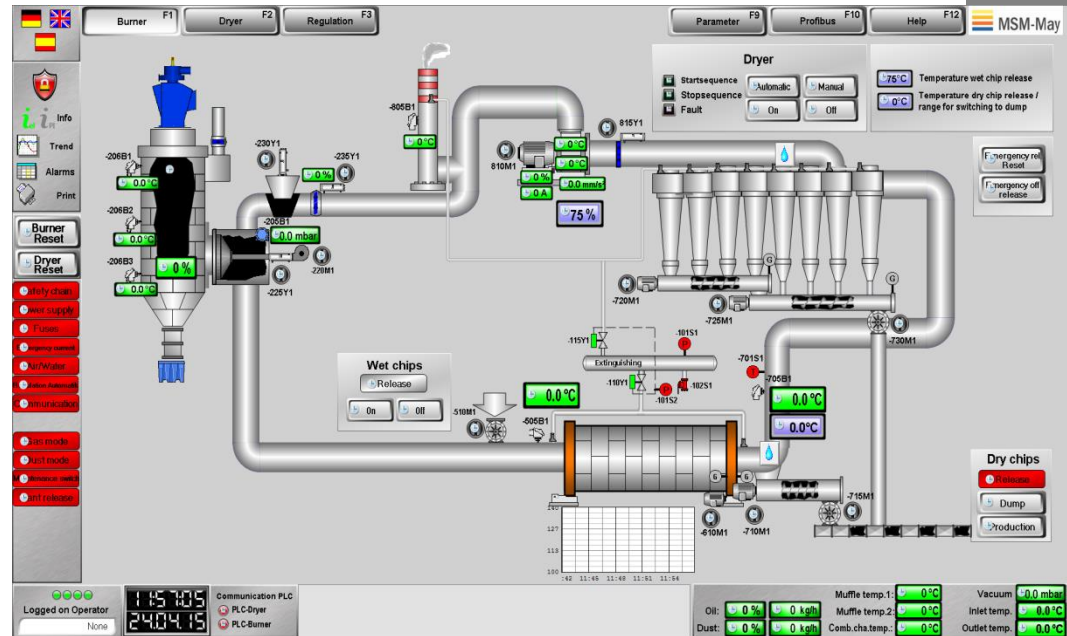


Visualization for our burner system
(oil/dust) by MSM-May

Power panel, control system,
visualization, installation and
commissioning by MSM-May.



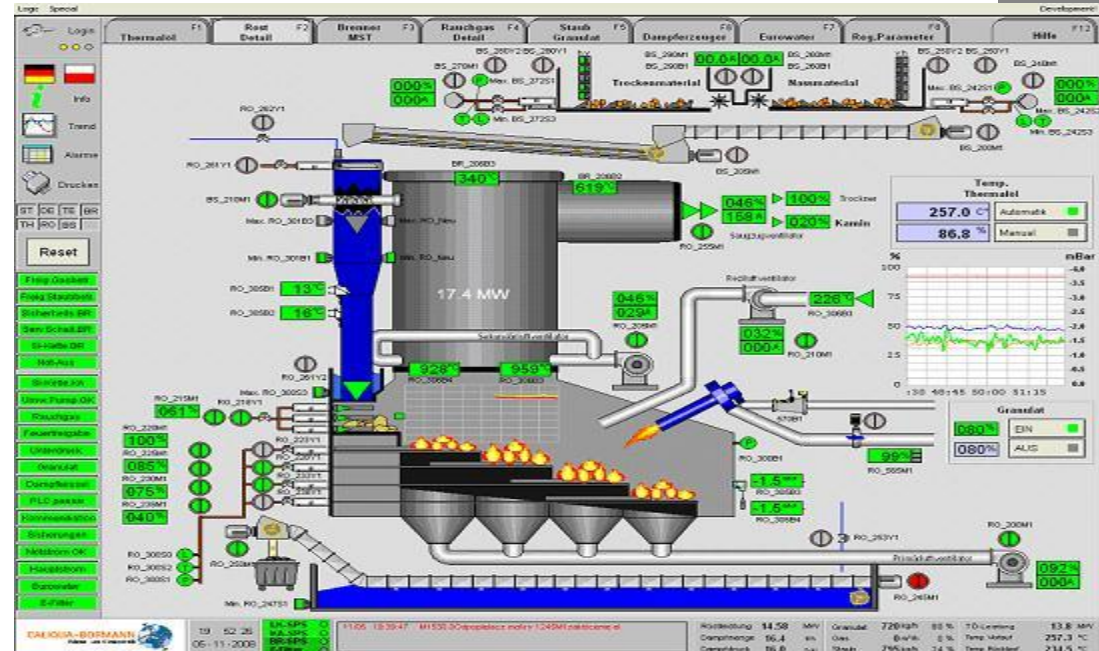
Burner – by MSM-May



Visualization for biomass boiler with
MSM multifuel burner (gas/dust).

Burner by MSM

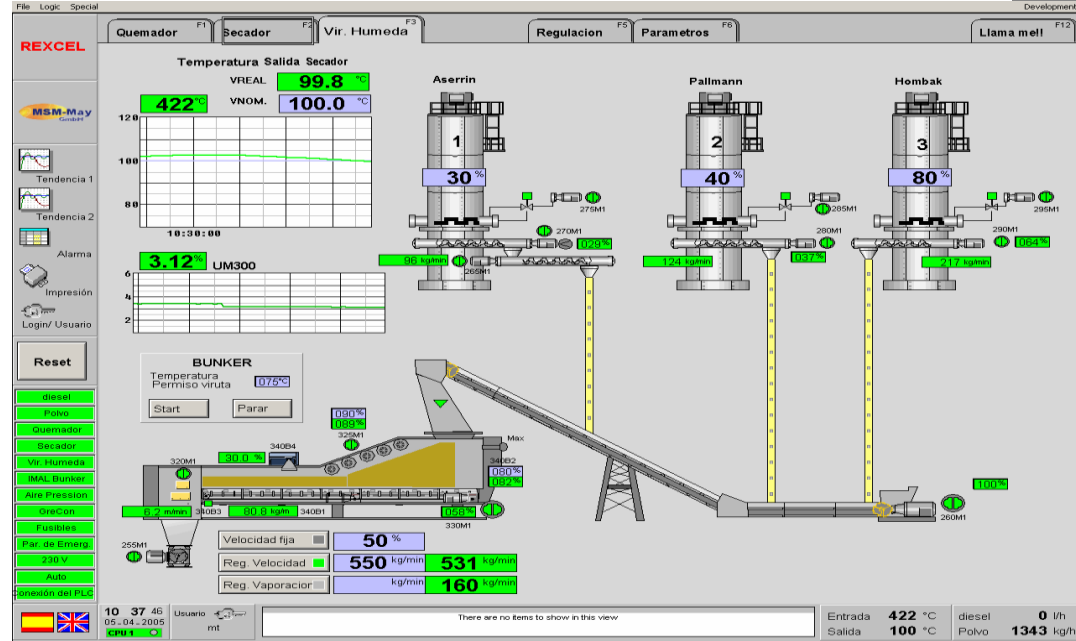
Power panel, control system,
visualization, installation and
commissioning by MSM-May.



Material-handling and drier control system with

Wonderware Intouch™ and
Simatic s7™

Control-system and visualization
by MSM

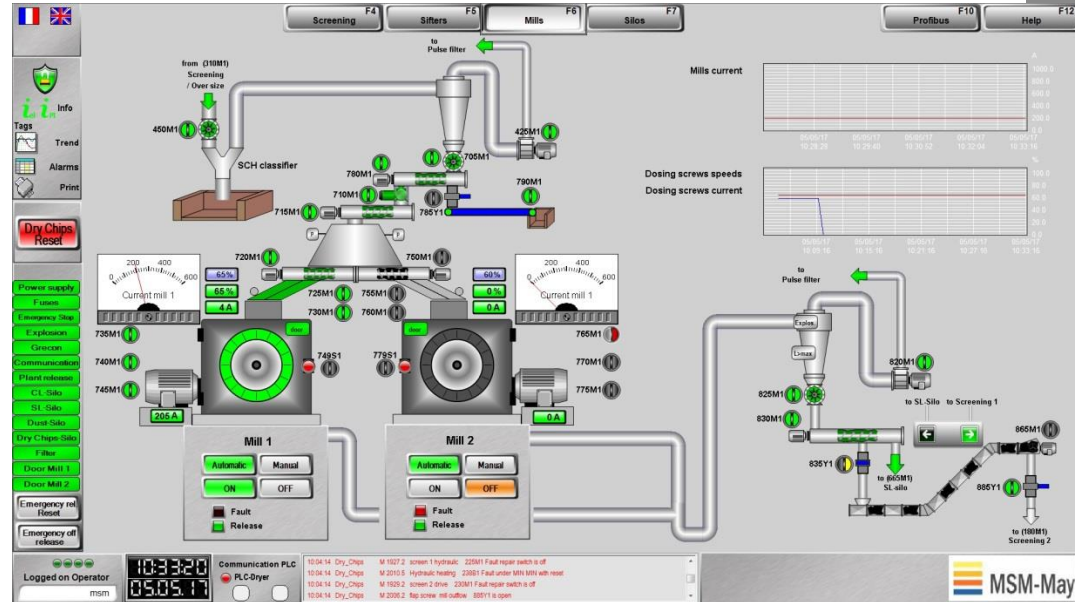


Material-handling and drier control system with

Wonderware Intouch™ and
Simatic s7™

Control-system and visualization
by MSM

Controlling System for Mills

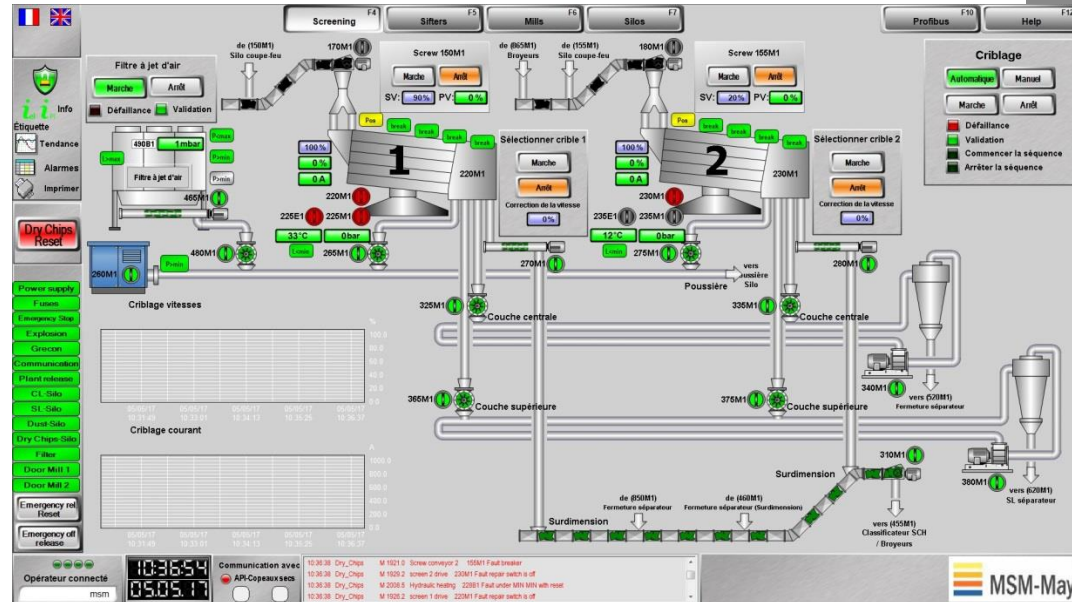


Material-handling and drier
control system with

Wonderware Intouch™ and
Simatic s7™

Control-system and visualization
by MSM

Controlling System for Screening

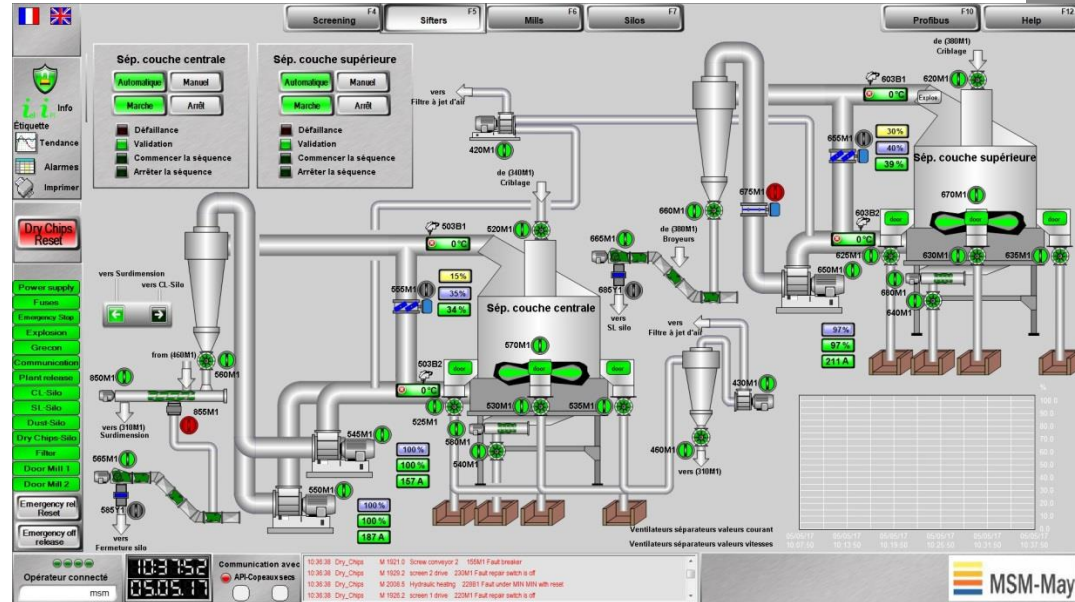


Material-handling and drier control system with

Wonderware Intouch™ and
Simatic s7™

Control-system and visualization
by MSM

Controlling System for Sifter



NEWS

Now Hydrogen-firing systems

by MSM-May GmbH





MSM-May
Combustion Systems

25
YEARS

- Since 1997 -

Partners for advanced combustion technology

Your partner for dust-firing systems

