

# PNEUMATIC CONVEYING AND PROCESSING OF BULK PRODUCT



[www.neujkf-process.com](http://www.neujkf-process.com)





## AUTOMATED INSTALLATIONS FOR POWDER AND AND GRANULES



NEU-JKF Process, a specialist in powder and granule process installations, designs and manufactures turnkey equipment and systems for the food, plastics, chemical and mineral industries.

[www.neujkf-process.com](http://www.neujkf-process.com)

### A COMPLETE RANGE OF PNEUMATIC CONVEYING TECHNIQUES

- **Dilute phase :**

- Suction system (working under vacuum),
- Blowing system (low or medium pressure)
- Suck blow combined system.

- **Closed loop air or inert gas pressurized system**, the most economical and safest method for transferring potential hazardous and sensitive products

- **Phase dense continue, transfert du produit à basse vitesse**, idéal pour des circuits importants.

- **Discontinuous dense phase blowing system NEUPHASE®**, or suction system, ultra low velocity product conveying, with or without air injection along the lines, particularly suited to fragile and/or abrasive products.

- **Conveyint through rotary valve, blow tanks (bottom or top discharge)**

### BUT ALSO SYSTEMS FOR STORE DOSE, PREPARE, PROTECT, PROCESS...

- **Storage** of product in silos and intake / discharge systems for silos, big bags and sacks.

- **Silos conditioning**, control of temperature and humidity of stored materials, particularly hygroscopic food and pharmaceutical powders.

- **Volumetric metering** ehigh accuracy weighing system, single or multi-ingredient, recipe formulations (solids and liquids).

- **Process equipment integration:** mixer, mill, sieve, metal detector, dryer, cooler...

### THE TEST CENTER : AN INDUSTRIAL SCALE TEST AND DEVELOP- MENT FACILITIES

- Circuits extend to over 250m with pipe diameter from 80 to 100mm.

- Pneumatic conveying tests (rotary valves, blow tank, screw conveyor...).

- Phase diagram (from dilute to dense phase) to define conveying parameters

- Dosing, weighing, mixing... tests.

# SOLUTIONS FOR BULK PROCESS



## KEY COMPONENTS

- Rotary valves, diverter valves, granule cleaner filters, cyclones, etc.
- Fully tested under operating conditions.
- Standard or custom built.

## NEU-JKF Process KNOW HOW

- Product know-how (characterization, particle size, pipe-wall friction, impact test rig, product degradation trials, fluidisation column...).
- Experience gained from millions of operating hours on installations worldwide.
- Expertise in all types of bulk processes techniques.
- Experienced, committed project teams with a track record for completing projects to specification, on time and to budget.
- In-house process control (development and testing).



## NEU -JKF Process, FRIENDLY AND RELIABLE INSTALLATIONS

- **TIGHT SYSTEMS:** product preservation, environment protection, fines generation reduction.
- **COST EFFECTIVE** compared with other conveying systems: wear limitation, lower maintenance, low power consumption.
- **FOSUCED ON OPERATOR SAFETY**  
few parts moving
- **IN CONFORMITY WITH STATUTORY REGYULATIONS:**  
CE, ATEX, FDA,....

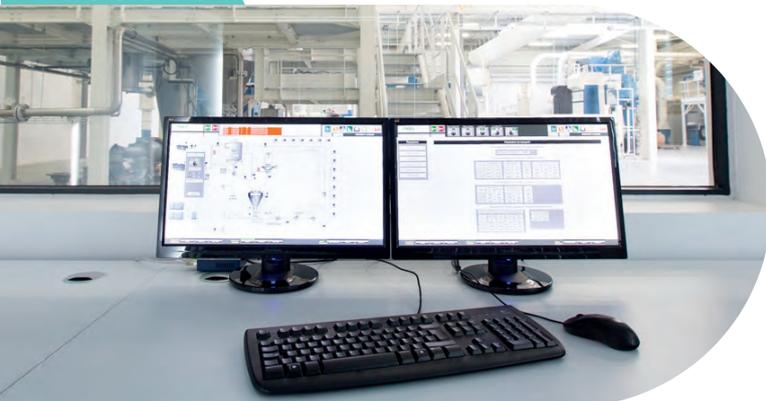


## NEU-JKF TEST CENTER

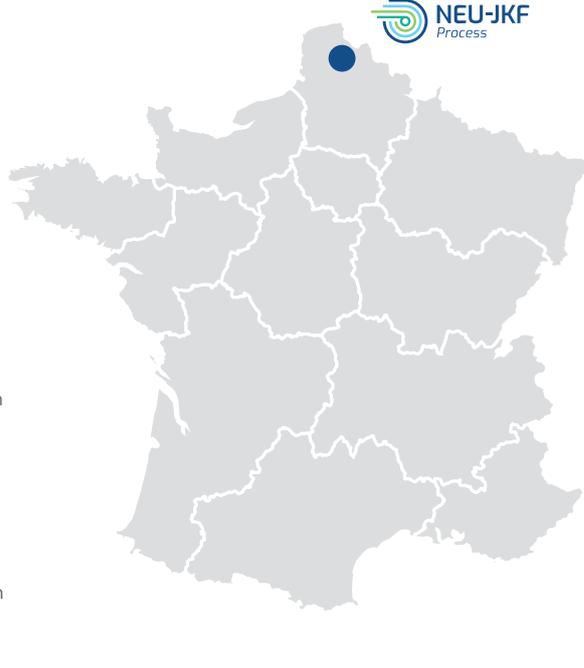
An industrial scale test and development facilities.

## PROCESS EQUIPMENT

- Sack dumping station with integrated NEU-JKF filter and big bag discharge station with safety discharge.
- High efficiency NEU-JKF pocket filter to be inserted in receivers with high dust contents
- Delumper, size and dimensions upon request
- NEU-JKF rotary dosing unit, steady weighing accuracy.
- NEU-JKF tubular screw conveyor for all types of bulk products (various options).
- Paddle mixer, ribbon mixer... (continuous or discontinuous), sieve, grinder



# AN ORGANISATION FOCUSED ON CUSTOMER SERVICE



## SERVICES & AFTER-SALES

Tél. : +33 (0)3 20 45 65 00

service-process@neujkf.com

## COMPLETE SYSTEMS

Tél. : +33 (0)3 20 45 65 43

contact-process@neujkf.com

Belgium-Luxembourg  
Battelsesteenweg 455 D  
B-2800 MALINES - Belgium  
Tél. : +32 (0)15 45 94 10  
contact@delta-neu.be  
www.deltaneu.be

The Netherlands  
Postbus 4122  
NL-5604 EC EINDHOVEN - The Netherlands  
Tél. : +31 (0) 40 291 14 05  
contact@delta-neu.be

United Kingdom  
Newby Road, Hazel Grove,  
STOCKPORT, CHESHIRE,  
SK7 5DR - United Kingdom  
Tél. : +44(0)1614 565 511  
mail@delta-neu.co.uk  
www.delta-neu.co.uk

Indonesia  
18 Office Park, 3rd Floor Unit H  
Jl. TB. Simatupang N°18  
Jakarta 12520 Indonesia  
Tél. : + 62 21 2278 3218  
ola.ramalah@neujkf.com

China  
Air Technology Co. Ltd  
Room 101, Building No 4, Lane 299  
West Jiangchang Rd, Zhabei District  
SHANGHAI 200436 - China  
Tél. : +86 21 6992 2109  
info@delta-neu.cn

Rest of the world  
NEU-JKF Process  
Parc d'Activités de la Houssoye  
rue Ampère - 59930 La Chapelle d'Armentières - France  
Tél. : +33 (0)3 20 45 65 43  
Email : contact-process@neujkf.com

## CEFAN : A Test and Training Centre for Air Techniques



- Airflow test rigs for research, development and customer trials
- Practical and theoretical training in air technology
- A station for pneumatic conveying tests

Tél. : +33 (0)3 20 10 50 49

cefan@delta-neu.fr

## A complete after-sales service

- Original spare parts,
- Parts lists with recommended quantity (Top priority, 2 years operation)
- Erection supervision, commissioning
- Technical audit, performance analysis and recommendations

Tel. : +33 (0)3 20 45 65 00

service-process@neujkf.com



Parc d'Activités de la Houssoye  
rue Ampère - 59930 La Chapelle d'Armentières - France  
Tel. : +33 (0)3 20 45 65 43  
Email: contact-process@neujkf.com

[www.neujkf-process.com](http://www.neujkf-process.com)