



**SOLIDS EUROPE**

# Separation Equipment

Centrifuge / Solids Control / Shaker Screen



# GN Handbook



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# Decanter Centrifuge

GN design and manufacture various different size centrifuges for industry specific separation. Our centrifuge product line ranges from 9inch (220mm) bowl to 30inch (760mm) bowl with adjustable G force up to 3000G to meet different industry separation applications.

## Functions

- Dewatering sludge / mud suspensions
- Thickening sludge or mud
- Clarifying different liquid types
- Classifying solids in wet suspension into grain sizes
- Separation of solids according to density

## Applications

- Drilling waste management
- Oil sludge treatment
- HDD mud cleaning
- Bored pile and TBM dewatering
- Waste water treatment
- Chemical and pharmaceutical separation
- Mining industry separation



Model	Typical Capacity	Bowl Diameter	Bowl Length
GNLW22	9 m3/h	9 inch	20 inch
GNLW36	45 m3/h	14 inch	50 inch
GNLW45	57 m3/h	18 inch	43.5 inch
GNLW55	114 m3/h	22 inch	71 inch
GNLW76	> 120 m3/h	30 inch	131 inch

The table shows a small sample of the GN range

Note: All Centrifuges come with ATEX explosive proof control panels and can be electrically or hydraulically driven. Optional VFD control panels available.



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## Solid Control Equipment



Shale Shakers



Desander Shakers



Desilter Shakers



Desanders



Desilters



Vertical Cutting Dryer



Vacuum Degassers



Screw Conveyors



Mud Gas Separators



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## Complete Systems

GN can design and build bespoke systems/units to cater for your exact requirements. With our in-house CAD design department, we work with you to refine the design, function and layout so that it fits your needs perfectly. Below is a snapshot of some of our products.



Drilling Waste Management



Bored Pile & TBM



HDD & CBM



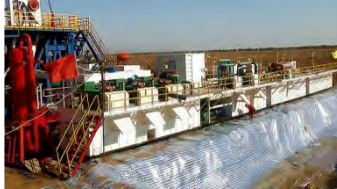
Solidification Units



Dredge Slurry Dewatering



Mining Solids/ Liquid  
Separation



Oil & Gas Drilling  
Solids Control Systems



TBM Slurry  
Separation Plant



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## Mobile Dewatering Units

Examples of units supplied to the UK market:



- Double Deck shaker
- 130 l/min Centrifuge
- 4 x Desilters
- 6m<sup>3</sup> tank capacity
- Venturi mud mixer
- Screw pump
- 2 X Centrifugal pump
- **800 l/min capacity**



- Double Deck shaker
- 500 l/min centrifuge
- 2 x 10" Desanders
- 9m<sup>3</sup> tank capacity
- Screw Pump
- Centrifugal pump
- **2000 l/min capacity**



- VD12 primary shaker
- Secondary shaker
- 2 x 10" Desanders
- 4 x 4" Desilters
- 500 l/min Centrifuge
- 19m<sup>3</sup> tank capacity
- **3000 l/min capacity**

Units available from 200 l/min capacity

New and Used units **FOR SALE** and **RENT** in the UK



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## Pumps & Equipment



Vacuum Pumps



Screw Pumps



Shear Pumps



Centrifugal Pumps



Centrifugal Degasser



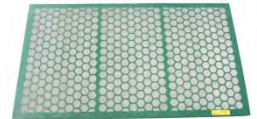
Mud Agitators



Hydrocyclones



Mud Agitator Guns



Shaker Screens



Inclined Plate Clarifier



Electric Ignition Device



Oil Water Separator



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## Pricing & Finance

The GN range of equipment will be seen by many industry sectors as standard, but in reality, each purchase is often bespoke to the exact needs of our customer.

Our view is: *Why invest in equipment that might do the job when, with a bit of discussion and planning, you can have something that will?*

**Call us on 01580 857151 to discuss your requirements and to see how we can help.**

GN Solids UK offers an in-house-managed financing service and we can access some first-class UK asset finance facilities for our customers.

**Indicative 4-year financing, subject to status:**

Shale Shakers from just £399 per month

Mud Cleaners from just £549 per month

Centrifuges from just £1,100 per month

**Call us on 01580 857151 to discuss our financing solutions to meet your needs**



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