

# MINING

products & services



 **the manufacturer**  
at your doorstep

**flui**  **nnecto**<sup>®</sup>  
— by *manuli*<sup>®</sup> —

# About Fluiconnecto



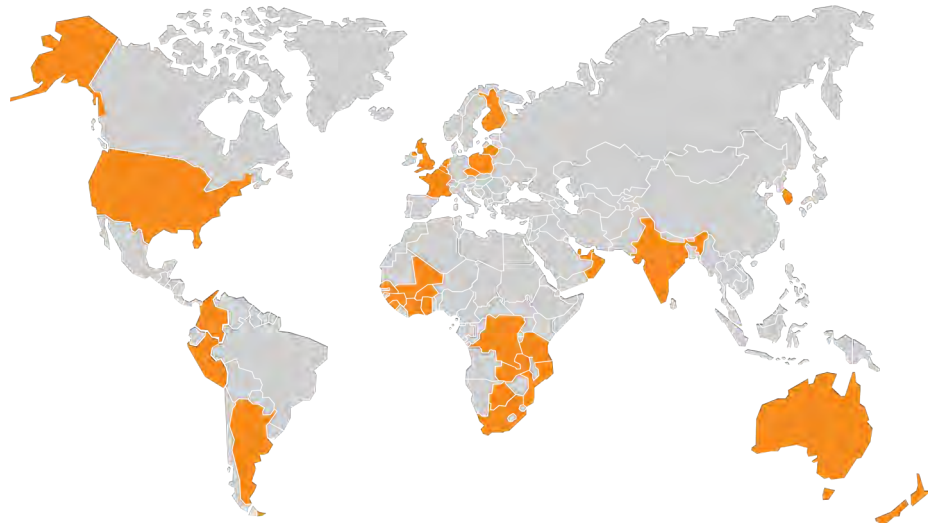
**Fluiconnecto by Manuli**, is a leading international service organization, focused on high pressure fluid connectors, providing products and application knowledge, as well as maintenance services, from OEM to end-users in all market segments, through a global network tailored to local conditions.

Fluiconnecto's services are made available at the customer's doorstep in 5 continents, through a network of OEM Assembly Plants, Hydrosshops, On-site Workshops and Service On-site Vans.

>200  
hydrosshops

>185  
on-site  
workshops

>210  
service  
on-site vans



## Fluiconnecto Mining Division

Mining is one of the key market sectors serviced by Fluiconnecto, with important mining clients spread across the globe, from South America to Queensland, Australia, passing through Africa.

**Our customers** are some of the leading names in the mining community responsible for the supply of the most strategic and important materials demanded by the world economy including - Aluminum, Copper, Lead, Nickel, Gold, Silver, Platinum, Diamonds and Coal.

Our success in this very demanding sector is based on providing our key customers with **dedicated products and services** that consistently deliver significant reductions in downtime and operational costs.

Fluiconnecto offers a **dedicated Manuli mining product range, designed and developed specifically for the severest applications** commonly found in open pit and underground mines. With upgraded performance far in excess of international specifications the Manuli mining programme provides a longer service life in the most demanding mining environments.

**Our offer extends beyond the supply of product.** We can establish on-site workshops at the most remote mine sites in order to provide 24/7 product availability, together with preventive maintenance program's to ensure maximum uptime at the most competitive cost.

We will follow our customers wherever they go delivering a consistent product and service offering focused on providing our clients with significant benefits throughout the working life of the mine.

## Manuli Rubber Industries

Fluiconnecto is part of the Manuli Rubber Industries group of companies with over 85 years of experience, which includes Manuli-Hydraulics: a leading international manufacturer of hydraulic hoses, connectors and assembled hoses.

# On-site Workshop

flexible service, fast setup  
24/7 hydraulic services available at your location

tailored product offer  
have the Manuli products you require stocked  
for your convenience

## On-site Workshop explained

Our On-site Workshops are flexible workshop solutions inside your mine site that offer high level of service and product quality, with the advantage of a team of qualified technicians available 24/7 and inventory dedicated to your needs. With our On-site Workshops, you can have replacement hydraulic hose assemblies manufactured at your mine site.

On-site Workshops have a fully equipped hose assembly workshop, an additional service area and a warehouse that stocks specifically the hydraulic components you require to **reduce your downtime**.

On-site Workshops can offer a wide range of professional services that range from hose crimping to preventive maintenance services of hydraulic lines.

## What to expect from Fluiconnecto by Manuli On-site Workshops:

- fully equipped On-site Workshop that stocks customer specific products
- hydraulic service area with professional machines
- specialised products & services covering high pressure hydraulic connections and other industrial applications
- fast setup at your location
- flexibility of service contract
- professional advisory
- qualified technicians
- uncommon products available for order or custom made
- wide range of services



### Your benefits:

#### Save time:

- with 24/7 service availability
- by having a Fluiconnecto Workshop delivered just-in-time
- by working with a full range supplier
- by ordering faster with FLC tagged hoses

### Your benefits:

#### Save money:

- by reducing downtime
- through longer service life of our products
- and time by using our advanced “preventive maintenance” service
- by closely monitoring hose failures and monthly KPI's
- by eliminating your spare parts stockave money:



# Products

## High Pressure Hydraulics

 **the manufacturer**  
at your doorstep

**Rockmaster & Diamondspir**  
mining hoses



STAPLE LOCK  
hose fittings



STAPLE LOCK  
adaptors



Quick  
couplings



Standard  
adaptors



Rigid  
pipes



Bite-ring  
pipe fittings



Hose  
protections



Valves



Clamps



Flange  
connections



Manometers  
& accessories



## Type approvals

**MSHA** (MINE SAFETY AND HEALTH ADMINISTRATION USA) | **PN-G32000, PN-G32010** (MINING HOSE ASSEMBLIES POLAND) | **FRAS** (FIRE RESISTANT AND ANTI-STATIC AUSTRALIA) | **MA** (MINING PRODUCT APPROVAL CHINA) | **DGMS** (DIRECTORATE GENERAL OF MINES SAFETY INDIA) | **B SAFETY** (MINING APPROVAL POLAND)

# Products

## Lubrication & Fuelling\*

Automatic lubrication and dispensing systems



Service trucks



Monitoring and reporting systems



Hydraulic oil and grease pumps



Hose reels



Oil & grease dispense equipment



Refuelling systems



Fuel management systems



\* available only in Africa

## Refrigeration

Hoses



Fittings



Custom connections



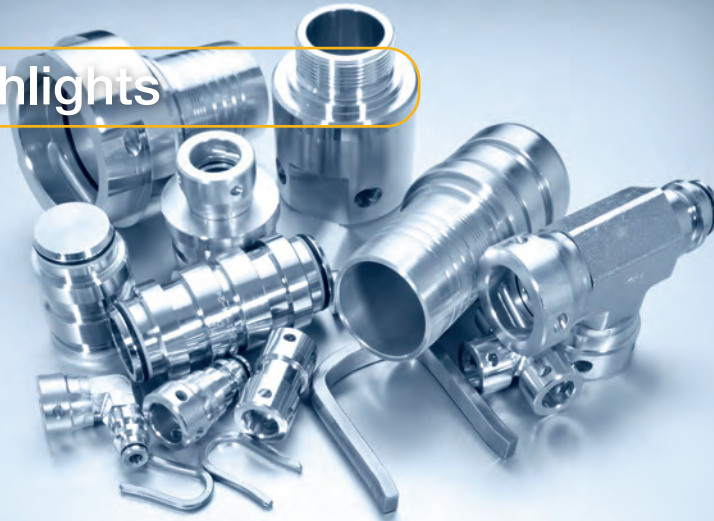
Accessories



## OEM references

BUCYRUS | FAMUR | HAITIAN GROUP | HITACHI | JCB | JOY GLOBAL | KOMATSU  
 KOPEX | MANITOU | METSO MINERALS | SANDVIK MINING | SANY MINING | S.M.T SCHARF  
 TEREX | VOLVO | XCMG | XUZHOU HUAWEI | ZMM GROUP | ZOOLION

## Product highlights



# ROCKMASTER® & STAPLE LOCK

hydraulic high pressure hoses

hose inserts, adaptors, valves

dedicated & complete mining connection system for improved performance and reduced downtime

ROCKMASTER®

manuli  
HYDRAULICS

### abrasion

superior abrasion  
resistance



### flame

retardant



### ozone

resistance



°C

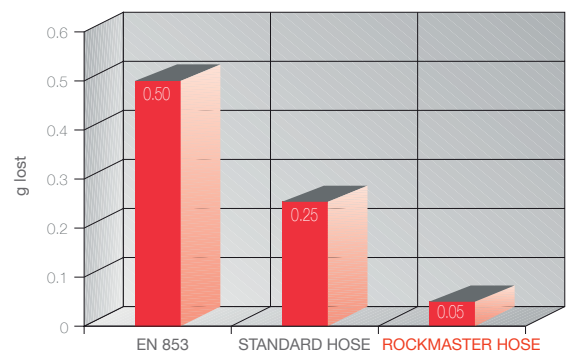
higher temp.  
resistance

### Key features

#### Rockmaster hose line:

- dedicated mining hose for improved performance and reduced downtime
- superior abrasion resistance - *lasts longer in demanding applications*
- flame resistance - *approved and internationally certified*
- higher temperature resistance - *up to 121°C for all wire spiralled range*
- sizes up to 3" available in wire braid and wire spiral
- working pressure up to 690 bar
- high environmental resistance

#### Rockmaster abrasion resistance



#### Staple lock fittings

male staple ends from DN06 (1/4") up to DN76 (3") conforming to DIN 20043 / NCB638 / BS6537 / SAE J1467. 90 / 135 degree staple hose inserts and stainless steel inserts are available on request

high performance male staple ends from DN12 (1/2") up to DN63 (2.1/2") and Flushfit male and female staple hose inserts for both standard and high performance application from sizes DN40 (1.1/2") up to DN76 (3")





# Services



## On site workshops



24/7 service  
Immediate response  
At your minesite  
Custom stock

**50**  
mine site  
workshops

## Trained technicians



Manuli certified  
technicians



**8 week**  
dedicated training  
program

## Improved uptime



Daily hose  
inspections prevent  
failures during  
production and  
improve equipment  
uptime

**safety**  
less failures=more  
uptime=more safety

## Cost reductions



Monthly KPIs  
and hose failure  
reductions programs  
improve equipment  
availability

**plan**  
your expenses  
using our statistics

# PREVENTIVE MAINTENANCE

HYDRAULIC SERVICES THAT PREVENT FAILURES

## Mining Houses

ACACIA | ANGLO AMERICAN COAL | ANGLO AMERICAN PLATINUM | ANGLOGOLD ASHANTI  
AQUARIUS PLATINUM LIMITED | BHP BILLITON | CALEDON COAL | DE BEERS | EXXARO COAL  
FIRST QUANTUM MINERALS | GLENCORE XSTRATA | GOLD FIELDS | HUSBAY MINERALS | MURRAY & ROBERTS  
NEWMONT | RANDGOLD | RIO TINTO MINING | SHOUGANG HIERRO PERU | VALE EXPLORATION PERU

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**Fluiconnecto APP**  
quickly locate Hydrosshops

