

DRILLING WITH OR WITHOUT LUBRICATION
LAYER BY LAYER?

HIGHTECH
WITH A
HUMAN
TOUCH.

DO IT WITH THE MOBILE
LUBRICATION UNIT!



NAGGING QUESTIONS ABOUT SANDWICH MATERIALS ?

MLU for direct use with all
commercially available
Advanced Drilling Units!

The typical sandwich materials used in aircraft construction - titanium, CFRP and aluminum - pose a particular challenge. Each material layer has special properties which require sometimes more, sometimes less or even no lubrication. And this with thousands of bores, which have to be drilled manually by means of advanced drilling units.

An aircraft manufacturer approached us with this issue and bielomatik came up with the following solution: A worldwide unique, mobile minimum quantity lubrication unit - the **Mobile Lubrication Unit**.



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bielomatik MLU MOBILE LUBRICATION UNIT

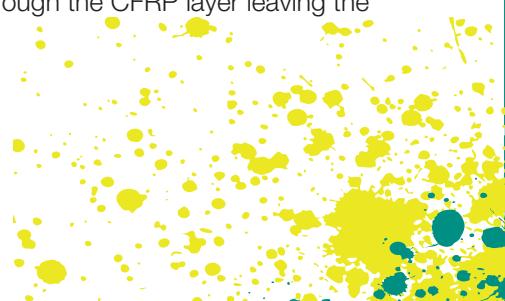
CHARACTERISTICS

- Lubrication for sandwich materials with different layers
- Connects to all commercially available ADU's
- Start of oil supply either manually, electrically or pneumatically
- Less than 10 sec for tank replacement due to quick coupling
- Battery operation is possible
- Magnets for mounting on ferromagnetic surfaces
- Flexible hose with 5 m working radius
- Memory for various processes



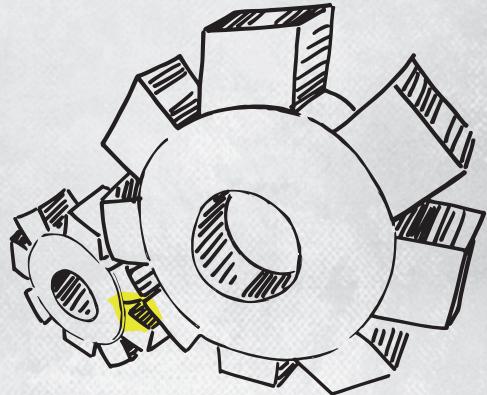
HIGHLIGHTS

- A special control system automatically switches the MQL process on and off and in this way individually adapts to the relevant material requirements
- Exact shut down of oil-flow when passing through the CFRP layer leaving the drilling site dry
- Portable device for aircraft construction
- Adjustable to different layers



CONSULTING?

**EASY
WITH US!**



For environment-friendly and economic lubrication

Saving resources, lowering energy consumption and reducing costs:
all these are relevant topics for our customers. We help to achieve these goals!
Regardless of whether minimum quantity lubrication or central lubrication is required.
We look forward to hearing from you!

CONTACT

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