



***BOOST YOUR
PRODUCTIVITY!***



DESIGNER - MANUFACTURER
OF AUTOMATED PRODUCTION EQUIPMENT

ABOUT BDM

BDM – Bjm Dubus Machines is the holding gathering the French company DUBUS and the German manufacturer BJM.

BOOST YOUR PRODUCTIVITY !

Together, we are the industrial leader in cutting & machining equipment for the work of profiles and panels. Our core business is to provide turnkey solutions to industrial workshops looking for solutions to process profiles and panels in Aluminium - PVC - Wood – Steel – Composite materials.

Our strength : The group spirit

The engineers and technicians of our design offices have always been one of the great BDM strengths to design and develop equipment and other robot-supported stations able to meet all your needs.

Our teams can perform for you the complete study of the implementation of your storage system, conveying, process and optimization of the equipment and operators productivity so that your production units are integrated into the industry 4.0.

Consult us as from the study stage of the construction of your industrial premises.



BDM France located in Malesherbes (45330) is specialized in the **manufacture of automated production equipment** for production workshops in Joinery, Automotive, Aeronautics or Industry.

BDM Germany located in Harsewinkel (33428) is specialized in the **production of cutting & machining robots** for the work of PVC, Aluminium and steel profiles.



ALUMINUM • STEEL • PVC • CO

+ de 110 years of history...

The 2000th machine manufactured by BDM.

The 1st cutting and machining center to the United States.

2018

2016

Establishment in Malesherbes of R & D services. Development of the ATEKA range : flexible cutting/machining robots and ultra-productive.

DUARUZ expands its international presence by the acquisition of BJM (Germany).
The group is thus called BDM.

2012

2010

The French industrial group DUARUZ acquires DUBUS.

DUBUS acquires TECHNOROP Automation, specialist in robotics equipment and manipulation.

2008

1988

Development and manufacture of the first machining centers for ALUMINUM and PVC.

Creation of the first NC machine, CND 900, dedicated to the woodworking.

1983

1966

Inauguration of Malesherbes plant (45). Current offices of Head Management, Group design office and production workshop for Ateka robots, Flexdoor, CND and Posiflex.

Specialization in the woodworking machine, very appreciated by the French joineries.

1928

1904

Creation of DUBUS in Montreuil (near Paris) by Maurice Dubus, Arts and Crafts Engineer. Development and very varied production : gas pumps, paper machines, aircraft engines ...

COMPOSITE MATERIALS • WOOD

CUTTING

The footprint of know-how

Choice of cutting equipment from the simplest to the most automated, for aluminum, steel, PVC and composites.

BDM offers a wide range of equipment both as stand-alone workstations and integrated functions :

- Combining **cutting** with **machining** functions,
- The functions succeed each other **seamlessly**,
- **Saw blades** : choice flexibility: single blade, three blades, horizontal and vertical movement,
- Digitally tilted cuts in horizontal, vertical, or combined with the **5-axis function**,
- Modular solutions allowing **very high production rates** and cover all the customers' needs,
- **End counter profiling** module integrated in the cutting group, with end milling tools magazine,
- Fully **modular and scalable** cutting group.



ATEKA Aluminium with loading system



Worktop with 45/135 ° blades



MACHINING

The tailor-made signature

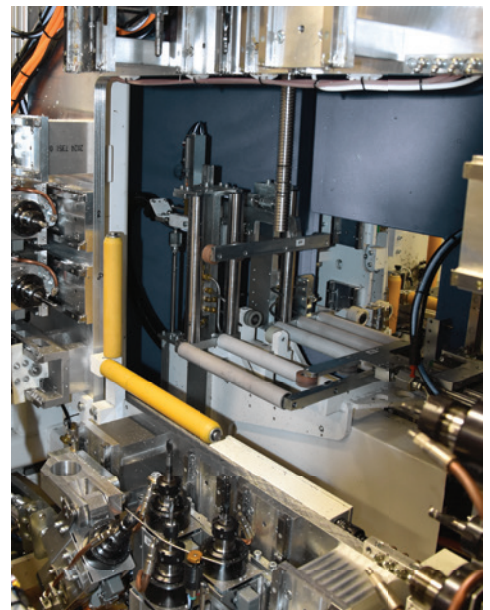
Wide range and flexibility of machining robots for aluminium, steel, wood, PVC and composites.

BDM, with the latest generation of machining robots, combines technology, design and functions flexibility:

- Compact machining centers replacing individual workstations allowing **optimization of the** production equipment implementation,
- Choice of static centers, oscillating or machining centers with integrated cutting module,
- **Wide choice of machining** : drilling, routing, tapping, end-milling, punching, fluo-drilling, notching, counter-profiling,
- Equipment allowing a **great flexibility** in the choice of tools and significant potential of up to 42 integrated tools,
- Large capacities of integration : choices and **options coupled** with cutting and assembling function,
- Chips and dust suction at the source,
- Control of aluminium **machining without lubrication**.



FLEXDOOR multi-station for wood profiles machining



16 electro-spindles ring

ROBOTICS

Increase productivity

Choice of robot-supported solutions to optimize and gain in productivity.

BDM develops many automated functions through the integration of multi-axis robots.

- **High flexibility** and scalability of solutions,
- **Reduces difficult tasks** for the operator,
- **Optical vision** for identification and **autonomous gripping** of accessories,
- **Robot supported fitting of accessories** on panels and profiles,
- Magnetic cupping grippers, with clamps or customized,
- **Many applications in addition** to our machining cutting solutions,
- **Solutions with multiple robots** to optimize hidden times.



Robot for racks



Robot-supported fitting of hinges



SERVICES

The instinct to accompany

Hotline technical assistance & maintenance

- **Analysis and resolution** of operating problems
- **Tele-maintenance** and **tele-assistance** for software and automaton
- **On-site intervention** by our technicians.

Spare parts & tools

- Stock gathering **the essential parts**
- Delivery time **within 48 hours**
- Repair, exchange or manufacture **in our workshop**

Retrofits, modernization, machine transfer

- **Machine transfer** from dismantling to production
- Integration of **new technologies and software**
- Adaptation to **new products** and **design evolutions**

Training & support

- **Approved training organization**
- Training modules **adapted to all customer needs**
- Machine control, profiles settings, software,...



Improved productivity



Machine audit



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