



# **CNC CUTTING SOLUTIONS**

## **FOR EVERY BOATBUILDING APPLICATION**



# FlexiCAM

About FlexiCAM

Markets

Products

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- Manufacturer of CNC routers, headquartered in Eibelstadt, Germany, with a global presence in many countries
- Established in 1998
- Approximate 100 employees worldwide
- Regional sales and support centers in United Arab Emirates, India, Canada etc.
- Active in several professional markets worldwide
- FlexiCAM has organized its sales activities as direct sales as well as through a worldwide partner network depending on the complexity of the product



# FlexiCAM Worldwide Presence

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# Market Overview

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**Aerospace**



**Boatbuilding**



**RVs, Caravans**



**Aluminium Composite Materials (e.g. Alucobond)**



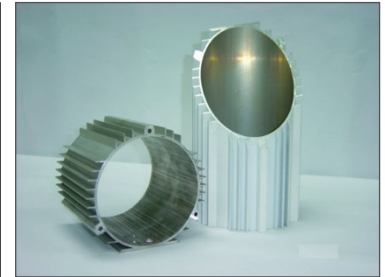
**Aluminum Processing**



**Honeycomb**



**Foam**

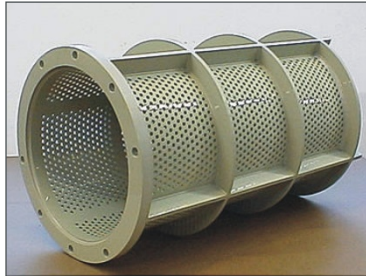


**Aluminum Extrusions**

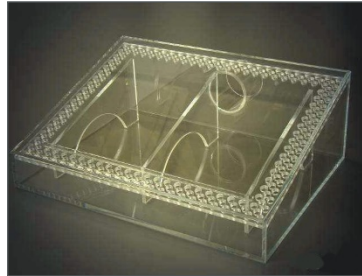


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Plastic Fabrication



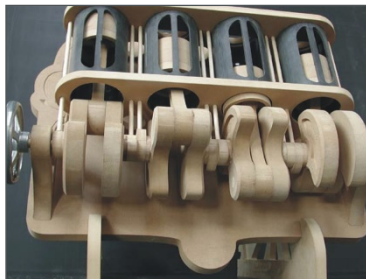
Acrylic Fabrication



Solid Surface



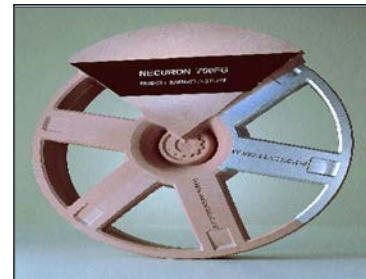
Cabinet Manufacturing



Model Making



Pattern Making



Rapid Prototyping



Vacuum Forming

# Market Overview (cont.)

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Van Lining



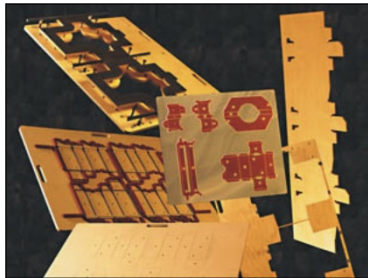
Musical Instruments



Carving



Engraving



Die Making



Exhibit Design



Neon Signs



Signmaking

# FlexiCAM Routers for Sheet Materials

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**FlexiCAM  
Stealth**



**FlexiCAM XL**



**FlexiCAM XTreme**

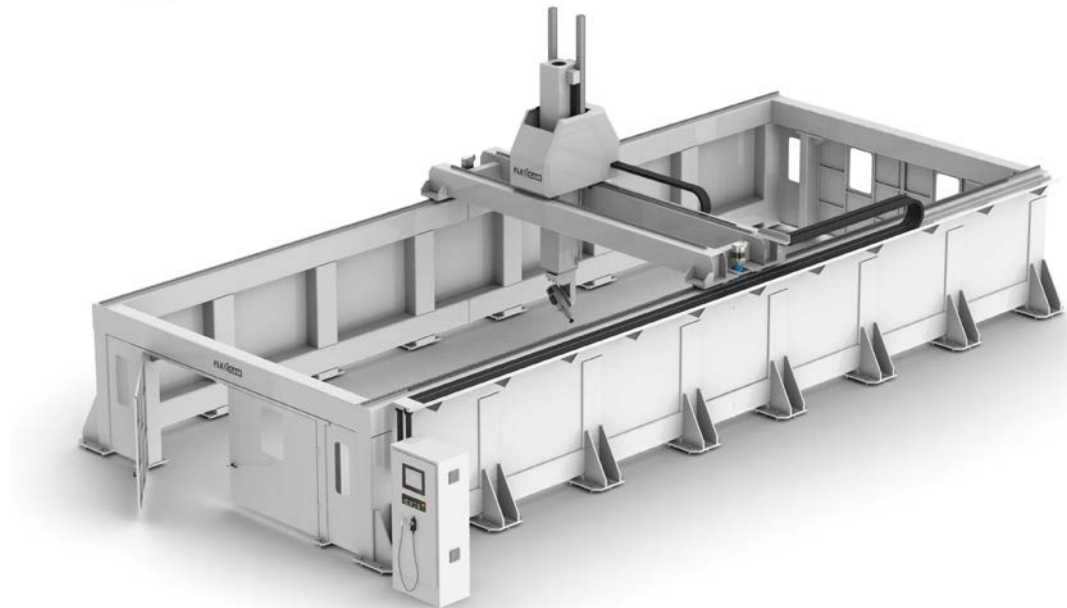
# FlexiCAM Routers for Patterns, Molds & Trimming

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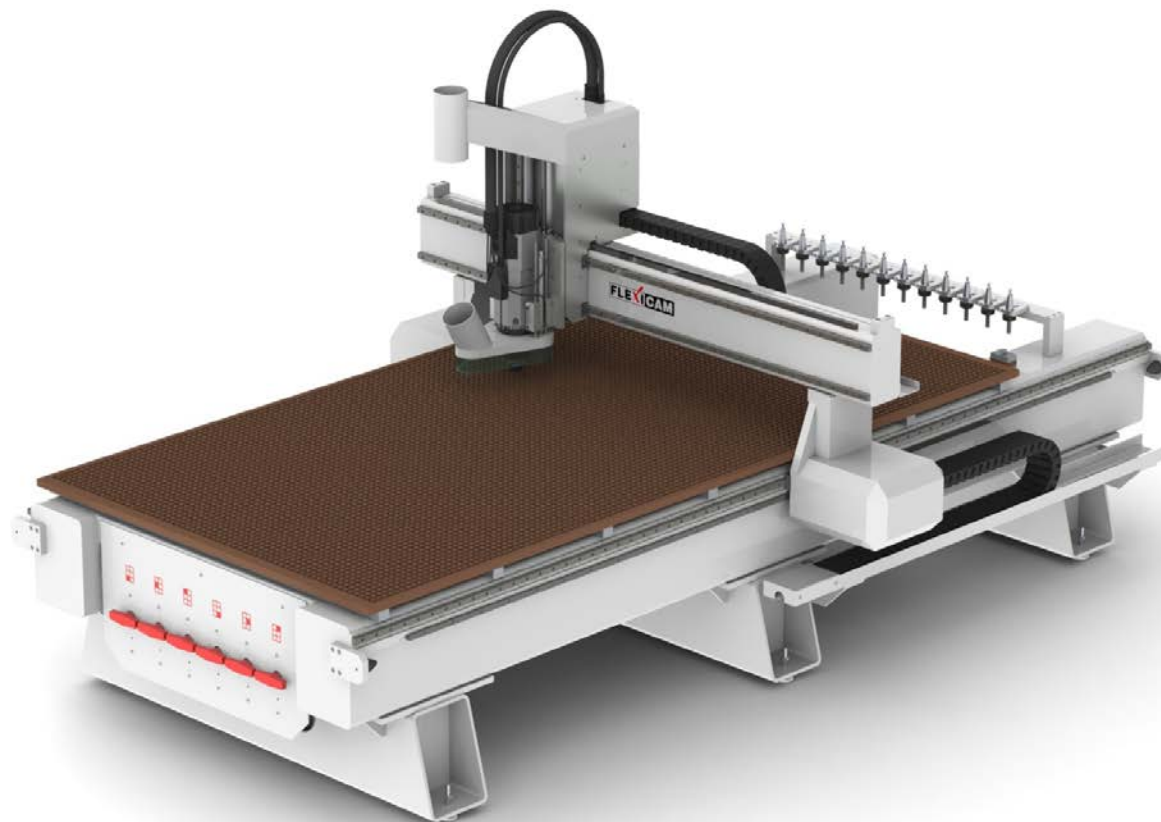
FlexiCAM Orca

FlexiCAM  
Piranha





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## FlexiCAM Stealth

- Entry level machine for universal use like aluminum, composite sheets, woodworking, solid surface, etc.
- Single piece base frame with work areas up to 2 x 11 m
- Z clearance 200 mm, optional 280 mm
- Manual and tool change spindles up to 12 KW
- Fanuc, Siemens or FlexiCAM Advanced Control System (ACS)
- Many available options

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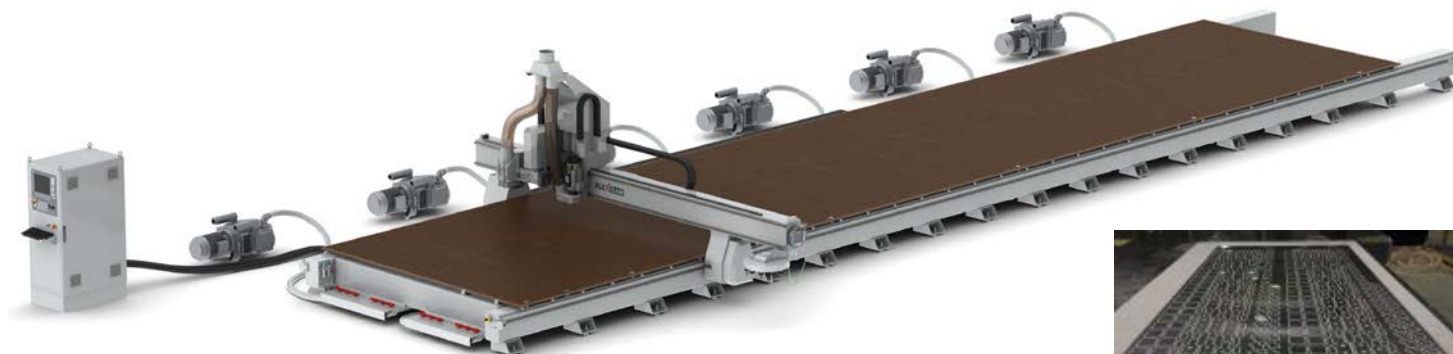


## FlexiCAM XL

- Heavy duty / high performance machine for universal use like woodworking, solid surface, aluminum, composite sheets etc.
- 3, 4 or 5 axis machining available
- Single piece base frame with work areas up to 3 x 11 m
- Multiple carriages and/or gantries
- Clearance 200 mm, optional 280 mm or 400 mm
- Tool change spindles up to 25 KW, optional up to two rotary tool changer
- Fanuc, Siemens or FlexiCAM Advanced Control System (ACS)
- Many available options



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## FlexiCAM Xtreme

- Ideal for machining of large format aluminum, wood and composite sheets
- 3, 4 or 5 axis machining
- Unlimited travel in length and up to 5 m in width
- Multiple carriages and/or gantries
- Clearance 280 mm, optional 400 mm
- Manual and automatic tool change spindles up to 25 KW, rotary tool changer
- Powerful vacuum table for material hold down and chip extraction system
- Fanuc, Siemens or FlexiCAM Advanced Control System (ACS)
- Many available options

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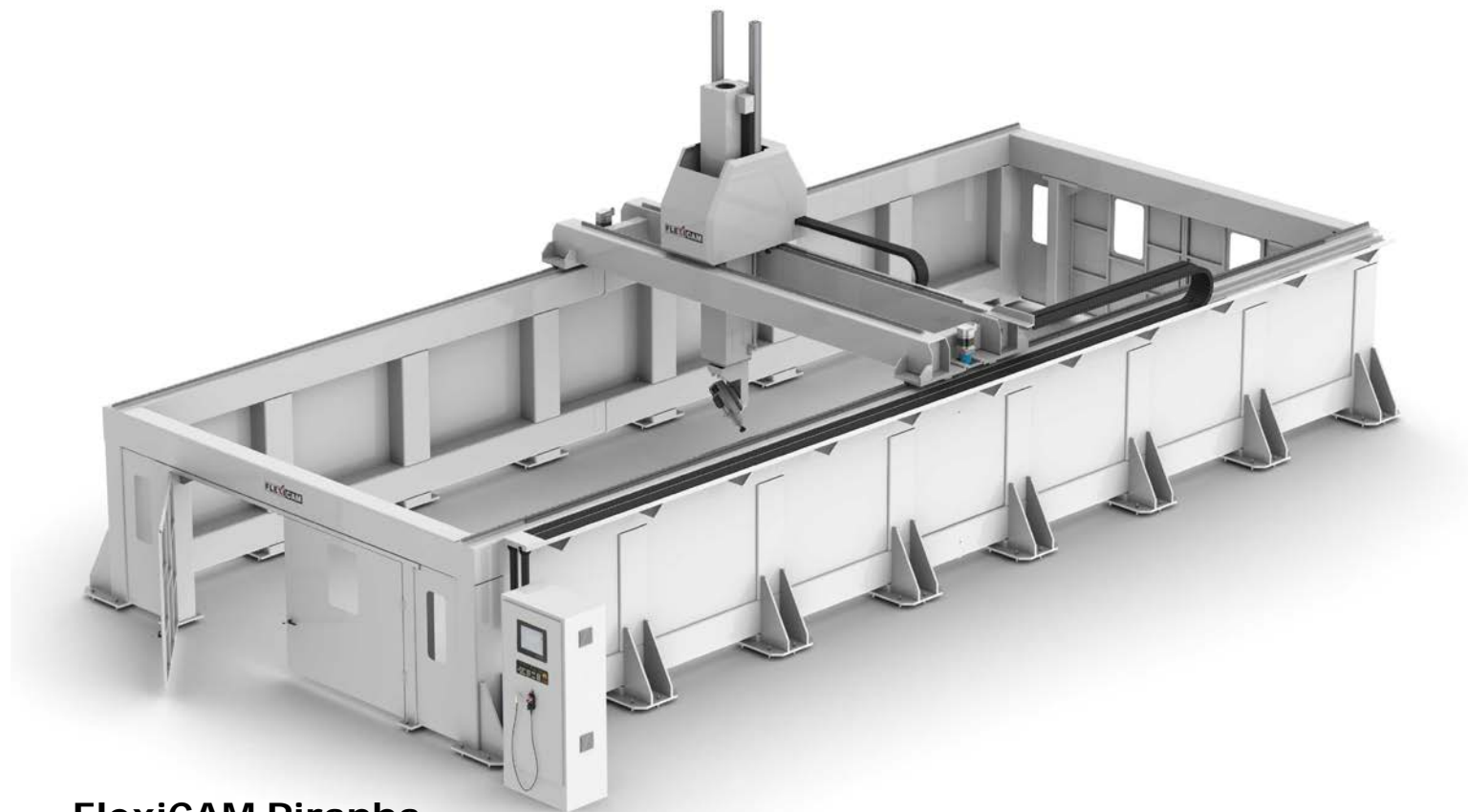


## **FlexiCAM Orca**

- 5 axis CNC Router
- Manufacturing of Models and Molds for small Boats and Yachts, Pattern Making for Fiberglas Parts & Trimming of Finished Products
- Work areas up to 10 x 3 x 2 m
- Wide variety of spindles up to 25 KW
- Fanuc, Siemens or FlexiCAM Advanced Control System (ACS)
- Many available options



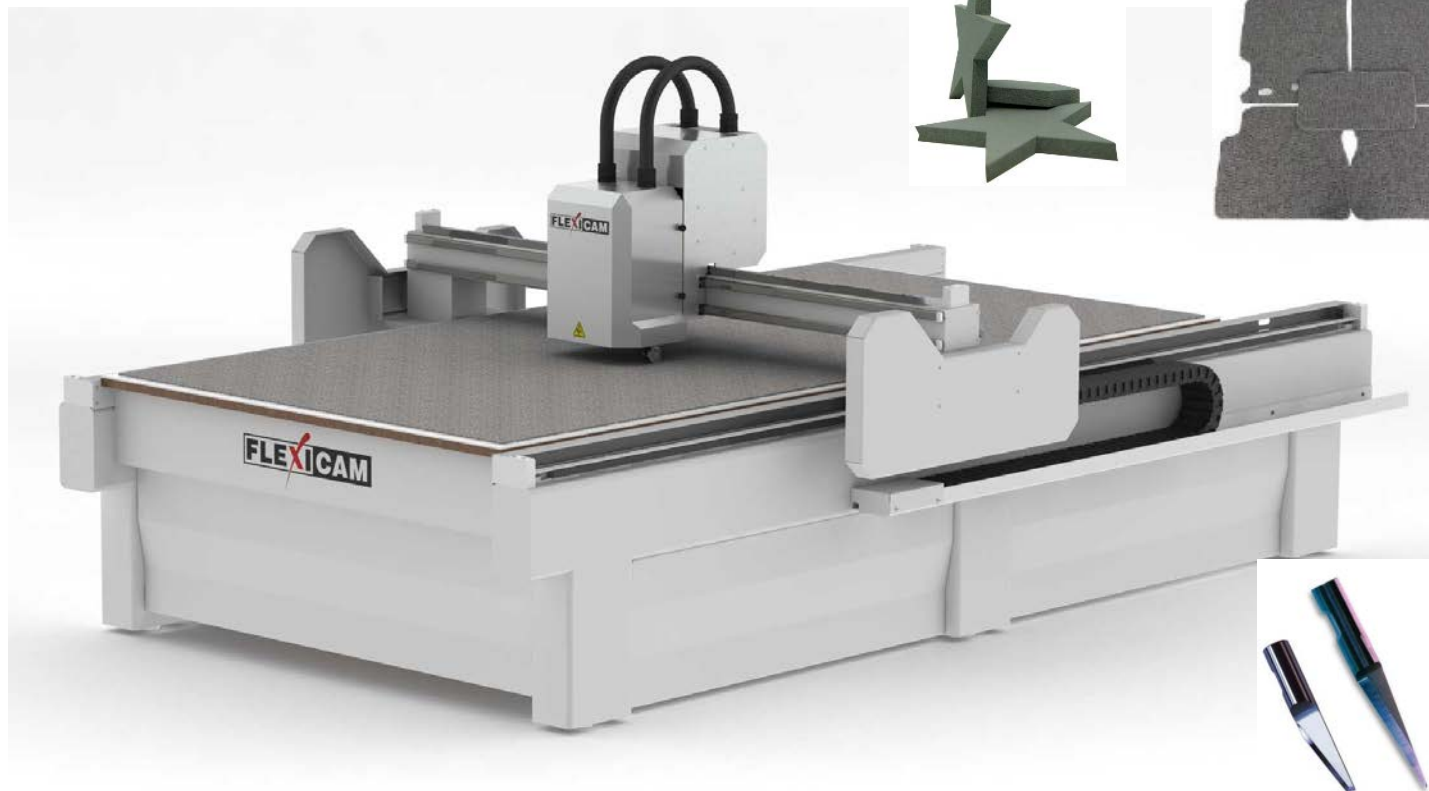
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## **FlexiCAM Piranha**

- 5 axis CNC Router
- Manufacturing plugs, molds for hull and deck as well and trimming large scale parts like hull, deck, accessories etc.
- Work areas up to 60 x 12 x 5 m
- Wide variety of spindles up to 40 KW
- Fanuc, Siemens or FlexiCAM Advanced Control System (ACS)
- Many options like optical (laser) or mechanical probe, palette changer, powerful dust collection system etc.

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### ▪ **FlexiCAM Cheetah**

- Heavy duty multifunctional precision cutting plotter for many applications
- Various heads like tangential knives & tools, tangential oscillating knives, ultrasonic knives, bevel cutting device, driven wheel, creasing wheel, routing spindle etc.
- Work areas from 1,580 x 2,580 mm to 4,080 x 12,080 mm
- Z axis clearance 150 mm with Z axis stroke 220 mm
- Many available options like print mark recognition & compensation, vacuum table etc.



# Customer Specific Machines and Solutions

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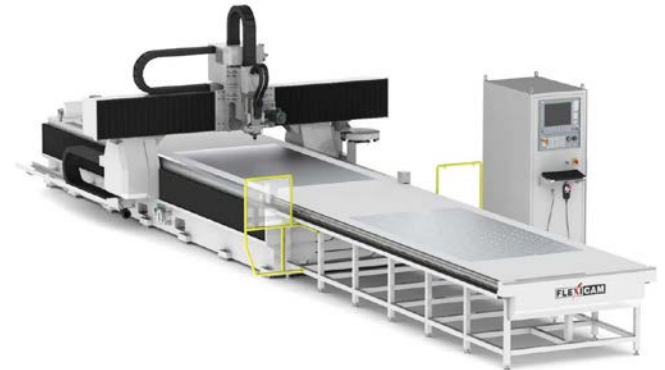
Markets

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- Workarea
- Z clearance and stroke
- Spindles up to 40 KW, 100,000 RPM
- Drills and other aggregates
- Multiple gantries
- Multiple carriages

- Multiple slides & spindles on a carriage
- Rotary axis
- Oscillating knife
- Printmark recognition and compensation
- Vacuum tables & customer specific fixtures
- Material handling solutions

# Customer Specific Machines and Solutions (cont.)

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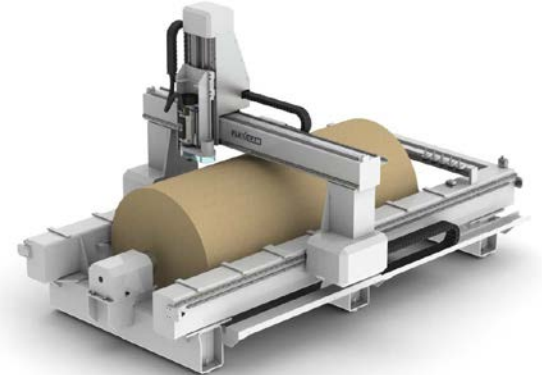
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# Applications: Boat and Shipbuilding

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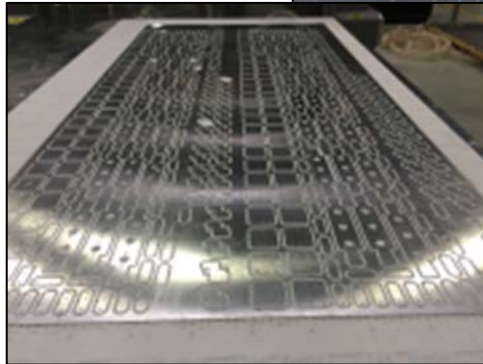
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Processing of Large Scale Aluminum Sheets

# Applications: Boat and Shipbuilding (cont.)

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Large Dimension Models and Molds for Boats and Yachts



# Applications: Boat and Shipbuilding (cont.)

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**Pattern Making for Fiberglas Parts &  
Trimming of Finished Products**

# Applications: Boat and Shipbuilding (cont.)

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Cabin and Galley Interiors



# Applications: Boat and Shipbuilding (cont.)



Countertops (Solid Surface)

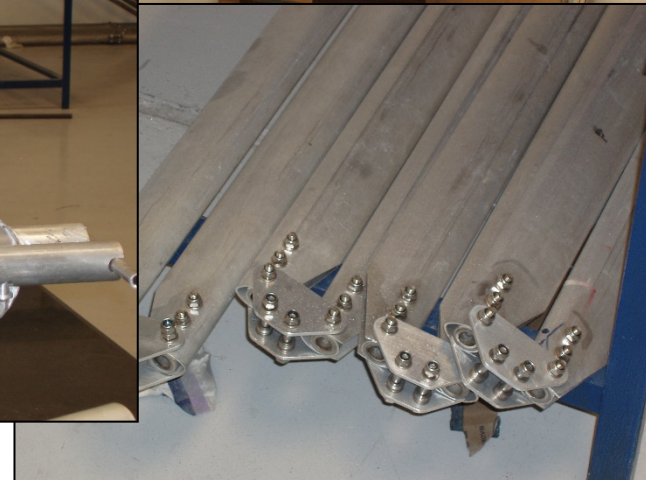
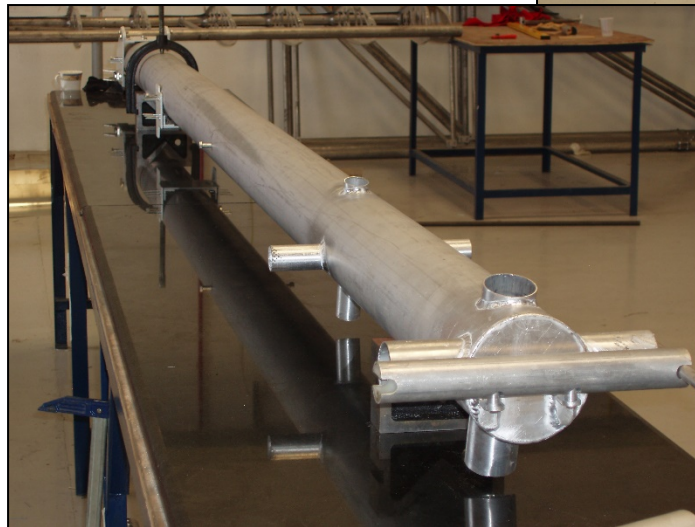
# Applications: Boat and Shipbuilding (cont.)



Nested Base Manufacturing (NBM) of Rib and Stringer Components

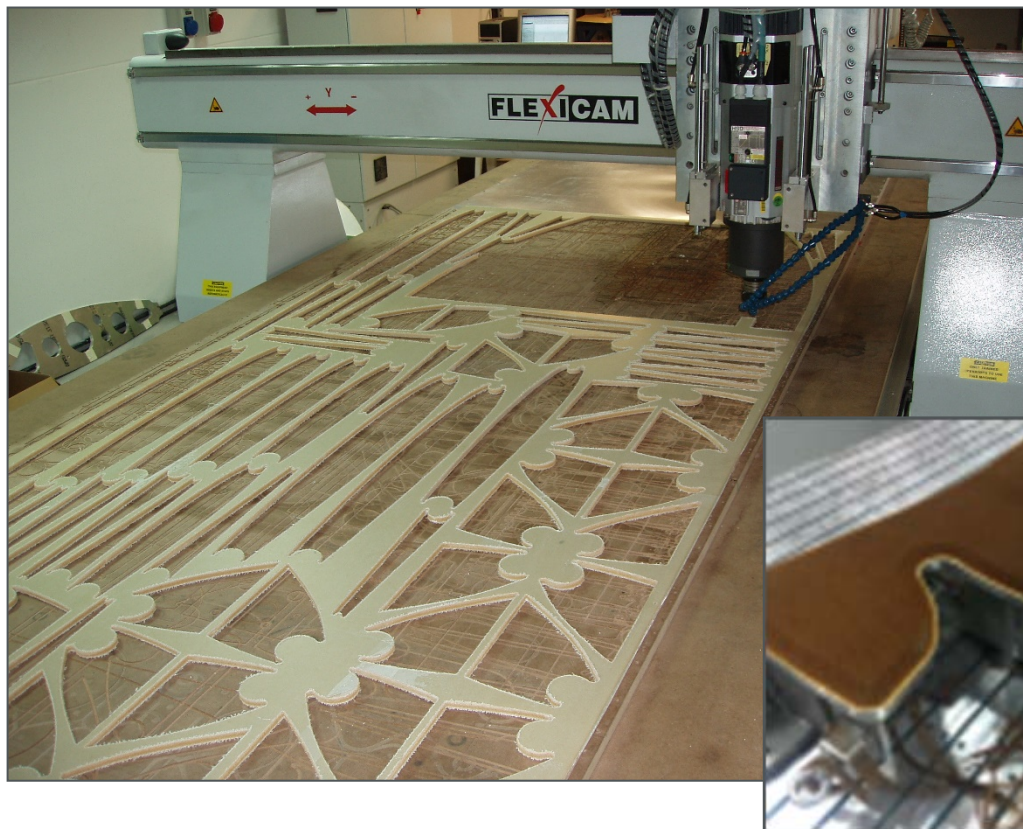
# Applications: Boat and Shipbuilding (cont.)

## Machining of Profiles & Extrusions





## Applications: Boat and Shipbuilding (cont.)



Machining Advanced Composites & Honeycomb Materials



# Applications: Boat and Shipbuilding (cont.)



Solid Aluminium  
Processing



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Feel free to get more information  
or to contact FlexiCAM at

**[www.FlexiCAM.com](http://www.FlexiCAM.com)**

Thank you for your time!

