



PREMIUM QUALITY CARBON FIBER COMPOSITES



OVER 10 YEARS
EXPERIENCE



OVER 100
COMPLETED PROJECTS



PREMIUM
QUALITY



OUR OWN
AUTOCLAVE AND PAINT SHOP



TIMELY
DELIVERY OF ORDERS



HIGHLY
PROFESSIONAL & COLLABORATIVE
ETHOS

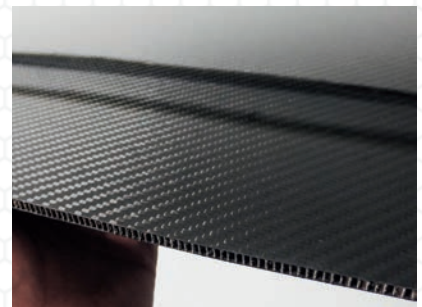


OVER 10 YEARS EXPERIENCE IN MANUFACTURING CARBON FIBER PRODUCTS

Our company is a reputable supplier of premium quality carbon fiber composites

We design and manufacture prepreg carbon fiber composites for the automotive industry and racing cars, as well as for military, orthopedics, wheelchairs, interior decor, diving, rehabilitation and many other uses.

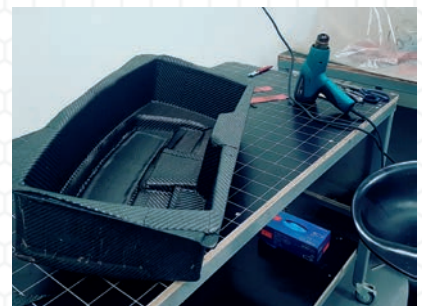
We manufacture carbon fiber sheets, wheelchair elements, device cases, drone elements (UAV), tables, grippers for industrial robots, aramid bulletproof vests, diffusers, luxury products and much more.



Over 10 years in the industry

We have been producing carbon fiber composites since 2006.

Knowledge, experience and cutting edge technology deployed during this time has enabled us to perform even the most complex processes using carbon fiber at premium quality levels. Thanks to the high quality of production, over 50% of our output goes abroad, including our regular clients in countries such as Switzerland, Germany, the UK, Spain and Portugal. Our carbon fiber elements allow customers to differentiate their products from the competition and demonstrate enviable prestige and high quality.



OUR MANUFACTURING PROCESS

✓PREPREG / AUTOCLAVE ✓RESIN INFUSION ✓HAND LAY-UP

Why carbon fiber?

Carbon fiber is a material of many unique properties including extreme strength and light weight that lends itself to original and highly attractive designs.

A composite made of carbon fiber is about 30-40% lighter than an element made of aluminum of similar thickness. By comparison, a composite made of carbon fiber is 5 times more rigid than a steel equivalent of the same weight.



↓ 30-40% LIGHTER
THAN ALUMINUM



↑ 5× TIMES STRONGER
THAN STEEL



LOW THERMAL
EXPANSION



GOOD THERMAL
INSULATION



HIGH
STRENGTH



ATTRACTIVE
APPEARANCE

Add the practically zero thermal expansion of carbon and its exceptionally attractive premium quality appearance and you can easily understand why it is so popular with applications in many industries to create devices, optics and general products.



PREMIUM CLASS QUALITY CARBON FIBER COMPOSITES

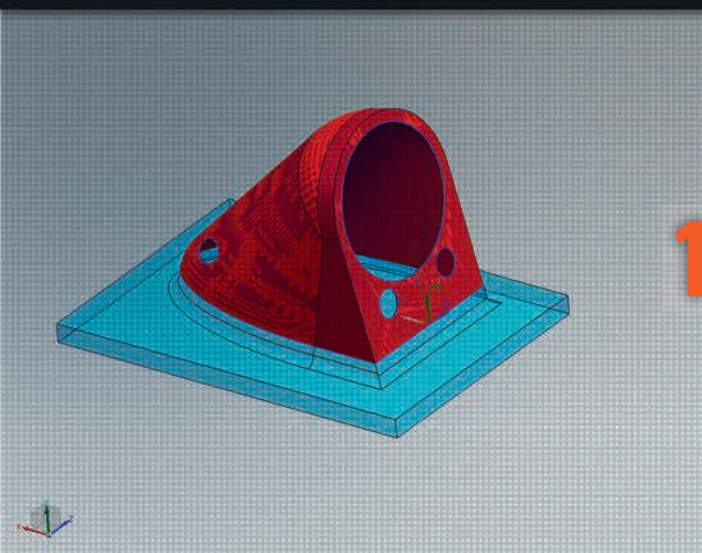
EXCEPTIONALLY HIGH PRIORITY GIVEN TO QUALITY AND AESTHETICS

Why Dexcraft?

- ✓ Over 10 years experience and 100 implemented projects.
- ✓ Carbon fiber products series production (min. 20 items).
- ✓ Products of premium quality and unique aesthetics.
- ✓ Long-term cooperation with partners in, among others, Switzerland, Germany, United Kingdom, Belgium, Spain, USA, Poland.
- ✓ Advanced facilities: autoclave generating working pressure of 8 bar, clean room, paint shop, 4 axis CNC, oven (2×2 m, temp. 250 C).
- ✓ We can supply products that carry a logo and serial number.
- ✓ Timely delivery and competitive prices.

Technology we use:

- **PRE-PREG IN AUTOCLAVE:** to provide ultra-light weight components that offer excellent aesthetic appearance. Pre-preg carbon fiber molding has applications in Formula One racing, amongst others.
- **RESIN INFUSION TECHNIQUE:** perfect for large items of moderately complicated design including table tops, casings, covers, sheets.
- **MANUAL LAMINATING:** carbon fiber molding method used for small products of simple design where cost-effectiveness is crucial.



10 STEPS



Project execution – 10 steps:

- 1 **CONSULTATION:** defining the objectives.
- 2 **DESIGNING:** from an idea to 3D design.
- 3 **MOLD AND MODEL:** with focus on precision and attention to detail.
- 4 **PROTOTYPE:** demonstration of first product iteration for client's approval – molding the first carbon fiber product.
- 5 **SERIES PRODUCTION:** production according to individual requirements regarding quality and quantity.
- 6 **TREATMENT:** cutting, milling, drilling.
- 7 **ASSEMBLY:** assembly with adhesives, bolts, rivets.
- 8 **FINISHING:** painting, marking, polishing.
- 9 **QUALITY CONTROL:** measurements, precise visual inspection.
- 10 **LOGISTICS:** packing and shipping.

DEXCRAFT – supplier of comprehensive carbon fiber solutions.



OVER 100 IMPLEMENTED PROJECTS

We implemented over 100 carbon fiber parts projects.
We supply:



AUTOMOTIVE INDUSTRY:

- Diffusers
- Lip spoilers
- Splitters
- Motorcycle silencer muffler tips



MILITARY:

- Ballistic protection (Aramid/Kevlar)
- NATO vehicle tables and components
- UAVs and Drones
- Battery boxes/cases



HEALTH CARE AND REHABILITATION:

- Carbon fiber side guards (fenders) for wheelchairs
- Ultra low weight carbon sheets

- Foot orthoses, back orthoses
- X-ray scanner table tops penetrated by x-ray radiation



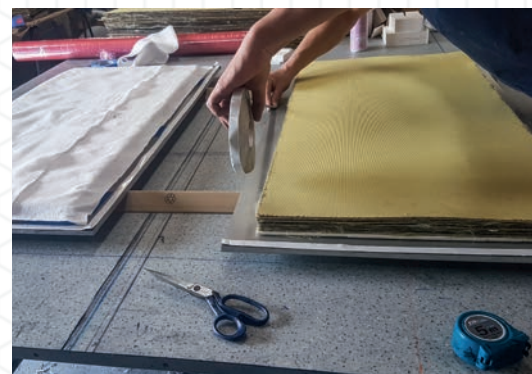
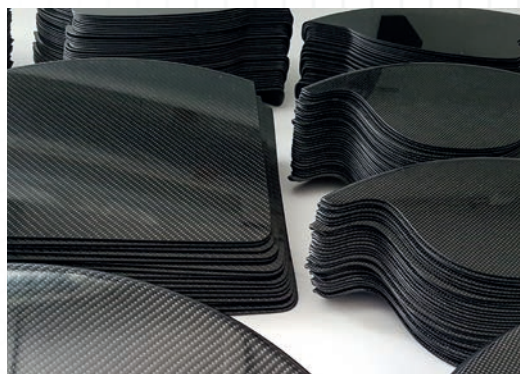
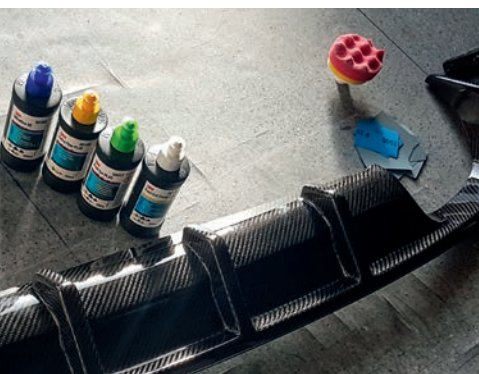
INDUSTRY:

- Light weight automated machine arms and other parts
- Industry machine casings
- 3D scanner parts of outstanding low thermal expansion
- Carbon fiber sheets



WATER SPORTS:

- Sailing boat equipment
- Diving backplates
- Diving fins





ADVANCED PRODUCTION LINE

INCLUDING OUR OWN AUTOCLAVE, CNC, PAINT SHOP

Our Technical Resources:



AUTOCLAVE

Maximum operating pressure 8 bar, maximum curing temperature 150° C - for production of premium quality carbon fiber composites (pre-preg)



MACHINING CENTER CNC (4-AXIS)

Operating area: X: 3000 mm, Y: 2000 mm, Z: 500 mm



REFRIGERATION

We store pre-impregnated raw materials, including carbon pre-preg, in refrigerated storage units



PAINT SPRAY BOOTH

Our paint spray booth ensures high quality painting of carbon fiber components



WIDE BELT SANDER

For sanding sheets to the desired thickness, to accuracy of 0.05 mm



Ovens

Oven #1 - 2×2×2m

(maximum temperature: 250° C) fitted with bogies.

Oven #2 - 90×90×170 cm

(maximum temperature: 140° C)



CARBON FIBER SHEETS PRODUCTION LINE

Production line including 3 workstations, each 150×280 cm, fitted with efficient vacuum pumps and heating system



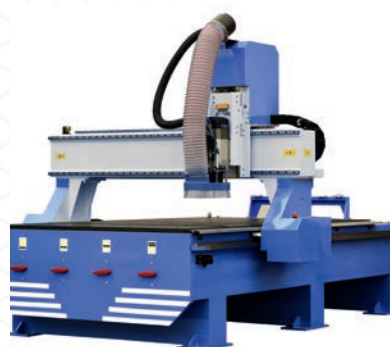
CLEAN ROOM

Our clean room provides a contamination free environment to lay-up composite materials, ideal for pre-preg lamination



500 SQUARE METER PLANT

500 square meters of manufacturing space



CONTACT

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www.dexcrafft.com



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