



We are
sport

We project · design · manufacture
INTEGRAL SPORT EQUIPMENT

antuco is a company dedicated to sports equipment design and also manufacturing (production).

Our headquarters, located in Zaragoza (Spain), where we have a great technical and human team. **antuco – emd** offers the experience of her own workers' team, trained during 40 years of experience in the manufacture of sports equipment, focused in school competition also in high competition.

Last year 2014, **antuco**, within its research policy, decided to acquire the exclusive **emd** brand, becoming exclusive proprietors of the brand and all its patents. With the integration of the brand we were able to expand our product catalog and offer a high and varied range.

Our own nature as a manufacturing company makes us very competitive, being able to adapt to the real needs of each of our customers. We specialize in manufacturing all kinds of sports equipment.

A first section of equipment for football, basketball, handball, tennis, rugby, hockey, volleyball, athletics, etc.

A second section for large facilities: bleachers, paddle courts, multi-sport tracks. All this with a wide range of models.

A third section in which we manufacture all kinds of mattresses, for pole vault, height, gymnastics, psychomotricity, protections...



Technical office is made of professional great team with long experience in the sport sector.



We own machinery with a high standard of precision for the production of our goods.



Quality is our priority. Our accessories injected in polyamide, molded in rubber, aluminum developed and patented by our brand. All this differentiates us from the competition.



We know the importance of quality, because a very high part of users are children. We are in a continuous study and development of new products, always respecting the regulations of the Federations and homologating our manufactured by the corresponding laboratories different.

BASKETBALL

The whole basketball goal have been created under a strict control of their safety and functionality.

Complying with the current regulations UNE 1270: 2006 of Playing field teams, basketball teams, test methods.

Our designs and developments have been supported by a study of the Technological Institute of Aragon 2320_I060261 (resistant analysis).

We have different models, so we can adapt to the customer's needs.

SUSPENDED BASKETBALL GOAL

Suspended basketball goal, can be fixed to ceiling or to wall. When fixed on ceiling is possible to be manual or mechanics. En el caso de ir colgadas a techo pueden ser manual o motorizada.



► **BASKETBALL GOAL SUSPENDED TO CEILING:** made of lattice structure and fixation system to trusses, are folding to the ceiling by electric or manual lift operation. Basketball fixed system allow adaptation to concrete, wooden, or metallic structures.

► **CRONO mod.:** Basketball goal which fold sideways to the wall. Manual system for switch on or fold the basketball goal, also blockade system to prevent the despondency.

PORTABLE OR FIXED BASKETBALL GOAL

A large range basketball goal with different options who goes from competition games to school (monotube).

Febo and EOS models, the latter of high competition, are manufactured with structural profile, lifting and hydraulic folding. Translating with a new system of retractable wheels, which rise when the basket is in game position.



► **MONOTUBE :** Could be mobile or fixed, but always with only one treated steel profile post.

Mobile ones, ballast rectangular base and retractable wheels.

Fixed ones with a base of sheet fixed to the ground by rods socket

You have options for finished, boards, rings, nets... in every model...

- Finished: painted or galvanized.
- Backboards: glass, methacrylate, fiber, plate. All with steel frame to find the most possible stability and resistance.
- Rings: Solid, dunk, strong heavy-duty.
- Nets: several composition and thickness.

Accessories

Protection foam for post base and board



ASSISTED

Last time new products have been developed. Frame in height Basket and mini-basket, it's a half-automatic system, assisted by pneumatic shock absorbers, with automatic locking for both positions, basket or mini-basket.

This system is having a great acceptance among our customers and users.



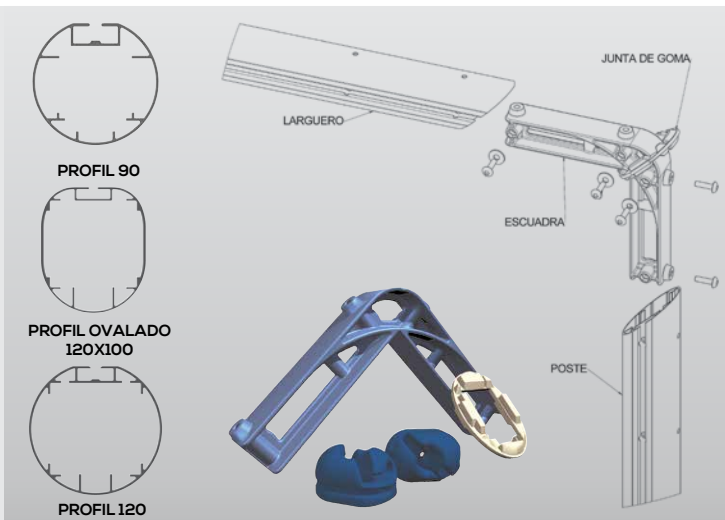
FOOTBALL

Our football goalposts have been specially developed for football practice under an exhaustive study of safety and durability following the norm UNE-EN 748: 2004.

Extruded aluminium Goal framer profiles, lacquered in white, with inner reinforcements, which gives us greater strength for our posts and crossbar. Network fastening, the profile has a non-locking slot through which hooks are inserted that will hold the net perfectly.

Easy installation. The posts are perfectly connected with the crossbar inserting the brackets, made of polyamide injected with metallic inserts.

Joining between post and crossbar is protected by a rubber joint specially molded for our goals.



KIND OF GOALS



- **FIXED FOOTBALL GOAL:** Fixed frame by socket. Two options: 1ª galvanized Steel arc. 2ª fixed posts to net. The folding base is optional, but recommended. It is folding to facilitate the work in the field maintenance.



- **PORTABLE GOAL:** These goalposts consist of a frame attached to the base with metallic end corners of great resistance. Both the post and the base are made of the same aluminum profile. Treated steel struts and straps Ø30. Wheel option.



- **FOLDING GOAL:** Aluminium frame, Ø90 diameter. Arcs and folding system are made of treated Steel. We have several folding models and sizes for each particular needed in each playing area. The latest model developed by our technicians complying with the standard EN 748: 1995 + A1: 1998. Type 3, brings together all the advantages of the different systems that exist in the market. The goal is fixed by 6 socket points to the folding. It adapts to all types of ground clearance, because the goal is suspended in the air.



- **FOOTBALL 5 GOAL:** Made of aluminium profile Ø90, following same process than the whole models. Base and fixed arc are made of treated steel.
- **MINI GOAL:** These goals are lightweight, to facilitate their handling by the players and coach. They are made of Ø90 aluminum. The arches are treated steel and folding repuestos para ganchos, escuadras.
- **ACCESSORIES:** For all our goals we have spare parts for hooks, squads. Networks, protections, pennants...

SHELTER

We have taken care in endings for security, no edges or protruding elements in which a chance knock can occur. The upper edge is designed to direct the rain towards the back of the bench, protecting the athletes.

Our shelters are easy to assemble and maintain. They can be easily moved, both assembled and disassembled, to facilitate long-distance transport. The length is adaptable depending on the number of seats in each case.

Detachable shelter. This option is possible for all our models. Easy to assemble, it is made by bolted joints (includes instructions). **Stru-welded bench.** This option does not need assembly since all its steel structure is perfectly assembled by welding.

SHELTER MODELS

- **ECO AND STANDAR SHELTER:** The team shelter is made of treated steel profile, taking care of all its finishes, without any dangerous edges or outstanding element. The upper edge is used to drive rain backwards, giving shelter to the sportmen. Shelter side are closed with 4 mm methacrylate plates, thick, while the back closure is made with translucent polycarbonate sheets of 6 mm. of thickness. For the standard model. Grid floor, covered with colored recycled rubber plates, avoiding slips of the players and keeping the surface always dry.



- **VANDAL-PROOF SHELTER:** Made with structure and seats just like the two previous models. The difference lies in its coating, since both the rear and sides are made of galvanized sheet. **OPTIONAL:** Seats are individual, made of high quality polypropylene, resistance to U.V.A rays, category M4. Possibility with or without backup, also wheels for easy movement



TRIBUNE



- **DISMOUNTABLE:** Detachable modules are assembled together allowing the frame fitting for eventual transportation. It's possible to amplify if required.
- **MOBILE STADIUM SEATING:** The design of it, gives solution to problems of space and access, in any installation. Because of design and possibility to change dimensions, all types of needs can be solved.
- The patented antuco-emd system includes a guiding system for a precise and controlled folding and extending of the tribune. The upper guiding system is designed to transmit effectively the load on each module.

TUNNEL

- Structure, made of anodized aluminum and covered by a textile backing, that gives us excellent mechanical and dimensional, even after years of use. Possibility of choice of color and personalization. We also customize in colors as customer requirement.

BALLS POST

- Manufactured in galvanized steel in different heights and diameters. They can be socket to the ground or fixed with sheet metal base. The high resistance networks are manufactured according to dimensions of the area to be covered.

ATHLETICS



antuco – emd. Professionals group with more than 40 years of experience in manufacture of equipment for the practice of athletics.

Our quality and good workmanship is recognized by the International Federation of Athletics with the certificate seal.

TRACK EVENTS

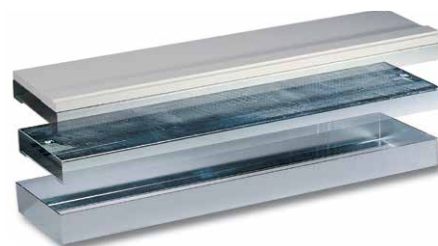
- We manufacture a wide range of training hurdle, high competition, obstacles ... with all kinds of accesories. Our **IAFF certified** hurdle made of extruded aluminum is designed piece by piece by our technical office. With device in five regulatory heights.

Other items to note: simple starting blocks, individual or high competition with **IAFF certificate**. Stars screen, finishing posts, prisms, relay batons. Podium and steps jugue.



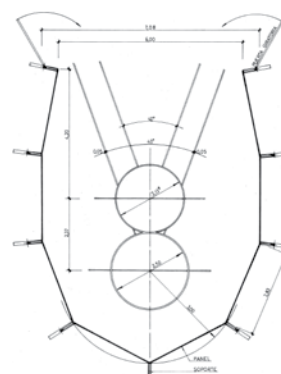
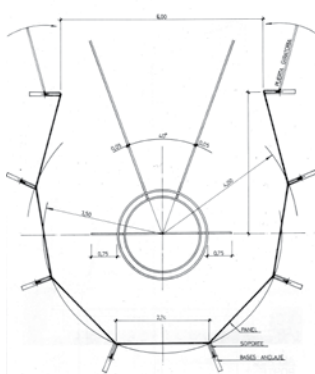
LONG AND TRIPLE JUMP

- Our take-off board is coposed for three pieces made of galvanized Steel and an upper Wood. Accessories are available in our warehouse: aluminium prism, sandpit rake,, smoothing tool, metric scale board.



THROWING EVENTS

- We have developed cage, in aluminium or in galvanised Steel. Discus/hammer cage, in our thenical office. En nuestra oficina técnica hemos desarrollado la jaula, en aluminio o en acero, esta última galvanizada.



Fibre shot containero or in wood



Disc/Throwing circle, hammer, weight. Tangential circle or concentric



Metal circle for hammer and shot

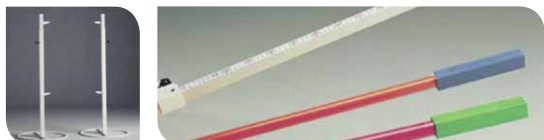
HIGH JUMP

- ▶ Telescopic jump-meter, in aluminium. Ø 120mm, diameter round section, outer Groove for barholder guide. With double measurement. Curved base with wheels. Base. Also, we have simplest telescopic jump-meter for school training.

Height measurer, measurer, lath.

Height jump landing area, several size, 6 x 4 x 0,70m homologated size.

Our height jump landing area are made of the finest quality materials. They are comprised of three separate but integral modules and a top pad. The top pad is made of a special anti-spike puncture resistant canvas. It is clipped to the bottom three mattresses to hold them together and protect them from the elements. Lateral spaces are incorporated to set the jump meter. The base units are made of soft density polyurethane foam. The lining is made of vinyl coated woven polyester.



POLE VAULT

- ▶ Elements pole vault have IAAF certificated

Elements pole vault .

- Jump-meter in 150 x 115 mm, aluminium oval-shaped section, total height 6.40m. The section has a Groove where the millimetre metric tape is incorporated, which moves the bar-holder carriage, by means of the handle. Reading system by the viewer

- Landing area 8,30x6,20x0,75/0181 m, **IAFF certificated**, other sizes available according in spaces and utilization .

It is available anti-spiker mattress, water-proof, garage/somier for pole vault and high jump. We also customize as per customer requirement.

- Galvanized pole-vault box lid.



KERB

- ▶ Aluminium extrusion profile by antuco. High durability Perfil .

Socket set delivery in each complete kerb.



SOCKET AND ALUMINIUM PROFILE



ACCESSORIES



VOLEIBOL



Our volleyball post are made of Steel or aluminium. They can be dismantlable or movable.

We have different types of pódiums, judge chairs, protections and nets.



PROFIL 90



- **POSTS:** The posts are made in extruded round aluminium profile, with several inner reinforcements. So, we get more robust.

Carro reductor exterior para seis alturas reglamentarias.

Reducer outer cart for six stat heights.

Steel poles, made of steel of Ø 90 and 2 mm. thick, painted in our tunnel at high temperature with polyester powder paint..

- **JUJGE PODIUM:** Antuco-emd Podium or volleyball chairs are made of Steel ant painted at high temperatura (color choice) optional).

- **ACCESSORIES:** Lockers, benches, hanger.
Accessory furniture built in steel treated and mounted on wheels of industrial type, practical and manageable.



- **INDOOR PLAYER SHELTER:** Indoor shelter are made of Steel and baked paint surface treatment, color chice, UNE-EN 13200-4:2006 normative. Backside in polycarbonate. It's possible side cover in choice.

- **INTERIOR BENCHES:** Two types of benches, one with single seats and the other with wooden surface seat. Both options are made structurally in treated steel. The single seats, in all our models, comply with the current regulations in thermoplastic injected M2, with anti-U.V. treatment, screwed and fastened to the metal structure by means of 3 fixing points, preventing possible vandalism.

INDOOR



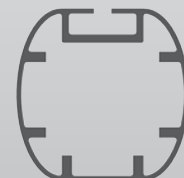
We are one of the few manufacturers that have developed a specific goal for the practice of indoor soccer

Made of extruded 80x80 aluminum, inner reinforcement and white lacquered. It undergoes a process of masking with high temperature tapes to mark the vertical stripes established by the regulations. This painting is done with polyester powder paint in a high temperature oven achieving a long durability of the same.

Following our quality and design bases, this goal profile, like the rest of our brand, made of aluminum, is machined with a subsequent grooving for grid fixing; subjection to anti-trapping network.

The pole and stringer joint is made using a square of injected polyamide with metal inserts.

The net is fastened by means of polypropylene hooks. Both the squares and the hooks are an exclusive patent of **antuco**.



INDOOR SOCCER PROFILE

HANDBALL



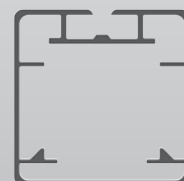
Handball goal in aluminium or in Steel, both of them with high quality in its finishes.

Painted and marking post process post. First of all lacquering process or painting white at high temperature, later, second process to masked in an artisan way with ribbons that support the high temperatures to mark the fringes according regulations. This painting is done with polyester powder paint in a high temperature oven achieving a long durability of them

The aluminum goal follows the same process of extrusion and manufacturing as the rest of our goals manufactured in aluminium, is in 80x80 profile as established by regulations.

The join between posts and crossbar is made with our polyamide squares. we protect the join for end corner goals with a specially molded rubber for safety.

Several mod. : Portable, folding, anti-vandalis, basket-combination, indoor hockey-combination.



PROFIL 80X80

INDOOR HOCKEY



Indoor hockey – combination is our latest **NEW** developing product in our technical offices.

Made of Steel 80 x 80 according normative.

Base structure in Steel, lined inner in glued conifer board, filmed on both sides with phenolic paper based on resins, pressed and hot-polymerized. Finally covered with a layer of rubber or PVC for sound absorption and hitting the ball.

Outer base made of surfilie safe polycarbonate (perfect for advertising)

Ø 30 steel arc in white.

The stops according regulations.

Easy to move and to assemble.

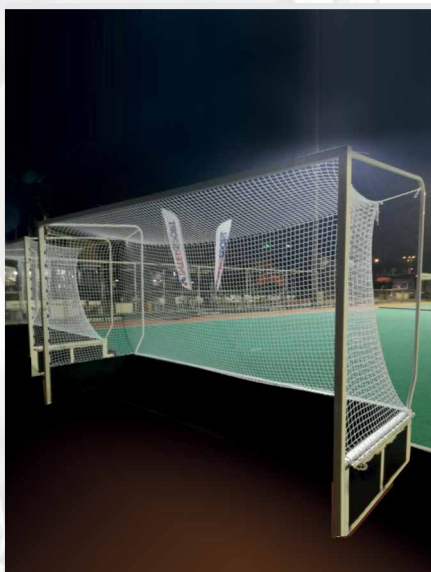
We have a car developed for the transport of these parts, it also has, as an option, a space for the transport of the detachable drawers.

We have developed a special trolley for transport those pieces. In option, a space for disassemble base.

Last month, from our technical office, we are developing hockey and rugby sport equipment, because those sports are in booming in our county.

In coloboration with elite athletes sharing their experiences and needs with us, for build the best equipment.

GRASS HOCKEY



GOAL: The special characteristics that define this sport have been studied in great detail.

The goals must have a great resistance and quality, since they have to withstand a large number of impacts and be water resistant.

We have developed an aluminum frame, lacquered in white, with high resistance and inner reinforcements in regulatory measures 75 x 50 mm. Rounded edges and rear groove for the hooks to net fastening net, manufactured in polypropylene.

The base is made of a galvanized steel structure covered inside by several layers of glued conifer sheets and a last layer of PVC or rubber. Different options for base outside.

Three different models of Steel arc.

ACCESSORIES

Base and training goals, protections for base, nets, flags

Shelter for players, judges, trolleys, sticks.



HOKEY PROFILE

HOCKEY ROLLER



GOAL: 3 inches post and crossbar made of stell.

It is treated by polyester powder painting high temperaturas for a long live of the goals.

Net is fixed by polypropylene hook in exclusive for antuco.

PERIMETER FENCE: Designed and developed for antuco-emd, according international hockey roller ruelas.



RUGBY



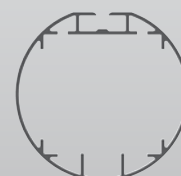
POSTS: Made of aluminium 120 mm diameter, in differents heights as per regulations establishes.

Posys socket in ground also can be for sideways mod.

ACCESORIES

Flags.

Post protections, tacle bags, hit shilds. Possibility to customize sizes, colors... as per custom requires.



PROFIL 120

TENNIS



Two kinds of posts: for tennis game, portable or fixed. Could be manufactured in Steel or in aluminium.

ALUMINIUM: The set is made of 80 x 80 mm square aluminium, with inner reinforcements who gives rigidity them. Net tighten works by inner spindle.

A box system to socket to the grounds for fixed posts.

Whith base and Solid counterweights system made of Steel for moved posts tennis game



STEEL : Steel, diameter 100 x 2 mm.

It is treated by polyester powder painting high temperatures for a long live of the goals.

Outer winch to tighten the net.Box system to socket to the ground.

ACCESORIES

Shelter for players, juzge podium, nets.

PADEL



Our filosofy is to get a product with hight quality, safety an design.

In order to create a highly resistant and differentiating structure model, we had the previous study carried out by a prestigious professor in the area of Continuous Media Mechanics and Structural Theory of the Mechanical Engineering Department of the Engineering CPS of the University of Zaragoza , which made a model of finite elements to develop the structure. Structure of square posts with reinforcement to increase the.

Antuco-emd paddle tracks meet the following standards:

- For design and calculation, the NIDE 2004 normative "Pádel regulations" has been considered.
- UNE-EN 1991-4 EUROCODIGO 1: Actions in structure. Part 1-4 General actions. Wind actions (Study conducted by ITA 2600-I 11-0092).
- Applicable normative for entrapment (UNE-EN176-1-2009) play areas and surfaces.
- Spanish Federation of Paddle (2010).

Mod. Paddle track antuco-emd.



MOD. FENIX and CARVAL: Specialty for outdoor. Carval mos has a desmountable pices system, it s made up welded mesh. Special protection pieces to hide the tips of them and avoid injuries to players.

MOD. SAMUN: Specific for indoor play.

For any of our models, as optional elements, we can adapt to each client's needs and transform a standard track into a tailor made track.

It's available in options: finished and color in structure, color and type of grass,

Option of with or without lighting, access doors diferents kinds, stop balls in funds post , self-supporting cover, removable or fixed stands.

ACCESORIES

Posts, nets, benches...



www.antuco.es



antuco aims to make the best equipment for sporting success. For us, success is synonymous with responsibility.

It is our responsibility to guarantee the maintenance of the quality level of our products.

We develop, produce and supply from our Zaragoza facilities for the rest of the world.

This allows us to maintain control in all stages of production.



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