

KEMUNCAK

PRODUCT BROCHURE

Where safety is engineered



Unileam®



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ABOUT US

KEMUNCAK ENGINEERING SUPPLIES SDN BHD, with its parent group established since 1989, has been an integral part of the Oil & Gas services industry for many years. This experience has made us a valued partner and technology expert to a wide spectrum of internationally renowned customers. We specialize in the design, manufacturing, testing and certification of Offshore Containers to DNV2.7-1and EN12079 standards. Our state-of-the-art engineering know-how and vast industrial experience over the years have enabled us to develop a wide range of other Engineered Products and Safety Products for the Oil & Gas and Offshore industries. Being a partner to the Norwegian origin UNITEAM group has further strengthened KEMUNCAK's position in terms of technology and international networks. As an active member of the Malaysian Oil & Gas Services Council (MOGSC), we are dedicated to providing innovative and cutting edge engineering solutions to the industry. Our ISO-9001 Quality Management System denotes first class quality products and services, delivered on-time from an efficient and competitive organization.

OUR VISION

To be a WORLD CLASS engineering products and services provider to the global oil & gas industry.

OUR MISSION

- To provide QUALITY products and services in accordance to ISO 9001 QMS standards at competitive prices to all our customers.
- To invest in development of innovative products and enhancement of product range and standards through extensive Research & Development (R&D) works.
- To invest in development of HUMAN CAPITAL by continuous training of employees and at the same time ensure their welfare are always taken care of.
- To make Health & Safety practices and Environment conservation efforts (HSE) as a core culture within the organization.
- To make every effort to be compliant with the laws and regulations, norms and ethics, and contribute to local communities as a responsible CORPORATE CITIZEN.

OUR QUALITY POLICY

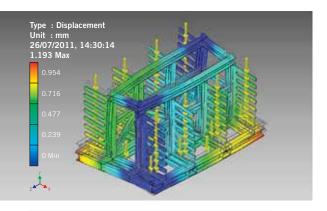
To achieve total customer satisfaction with quality products and services at optimum production cost by continuously upgrading the skills of our employees and improving the effectiveness of the quality management system and comply with statutory & regulatory requirement.

OUR QUALITY OBJECTIVES

The core elements of our ISO-9001 Quality Objectives are:

- On-Time Delivery
- Optimum Cost
- Continual Improvement through Trainings

OUR STRENGTH



ENGINEERING CAPABILITY

- State-of-the-art Finite Element Analysis (FEA) software.
- Extensive R&D efforts for continuous product improvement and
- Innovation and Technologies are key to our future success.



ISO9001 QUALITY MANAGEMENT SYSTEM An ISO9001:2008 Certified Organization.

- Stringent Quality Assurance & Quality Control system.
- Quality of products closely reviewed and verified by third party inspectors.

ISO 9001:2008 Certified



PARTNERSHIP WITH NORWEGIAN UNITEAM GROUP

- Among the market leaders in the global Offshore Container industry.
- Offers complete range of Cargo Handling Equipment (CHE)/Cargo Carrying Units (CCU) products.
- Cooperation with Uniteam further strengthened Kemuncak's technical know-how.



MALAYSIAN OIL AND GAS SERVICES COUNCIL MEMBERSHIP

- Platform for networking with major Oil & Gas industry players.
- Better understanding of the changing needs of the market.
- Access to the latest development in the industry.



OUR PRODUCT RANGE

KEMUNCAK is at the forefront for the development of various technologies for the Oil & Gas services industry. We manufacture as well as distribute a wide range of engineering products which are tailor-made for the industry and proven to be innovative solutions that stand the test of time. Our product range is generally categorized into 3 major groups.



OFFSHORE CONTAINERS

Technical know-how is central to our success. We boast a team of highly qualified and experienced engineering team with state-of-the-art engineering software's such as the Finite Element Analysis (FEA) as one of our designing tools. We provide a diverse range of standard, specialised as well as tailored offshore containers certified to DNV2.7-1 or EN12079 to customers anywhere around the globe. As a one-stop centre for offshore containers, we have hundreds of ready designs available such as for Cargo Baskets, Mini Containers, Dry Containers, Half Height Containers, Open Top Containers, Workshop Containers, Pressurized Modules, Rigging Lofts, H2S Shelters, Accommodation Modules, Reefers, Waste Skips, Spoolers, Pipe Racks, Bottle Racks, Toolboxes, Pump Modules, Compressor Modules and Tote Tanks. Apart from sale of new containers, we also operate a rental fleet with a wide range of choices around major oil and gas bases.



ENGINEERED PRODUCTS

Our in-depth engineering know-how and vast industrial experience over the years have enabled us to develop a wide range of Engineered Products for various industries. For the Oil & Gas Industry, Hydraulic Power Units up to 20,000 PSI have been developed for pressure testing purposes, operating in various Pressure Test Bays across the industry. One of the our latest innovation is the incorporation of RFID technologies as an accessory for our containers, which could be used for tracking and asset management purposes. Spreader Bars and Pipe Racks are some of the other Engineered Products catered for both onshore and offshore applications.



SAFETY PRODUCTS

When you see a KEMUNCAK product logo, you can be sure of the product's highest safety standards. We distribute a range of safety products specially designed and catered for the Oil & Gas industry. At the top of the pyramid is the premium Explorer impact resistant gloves which are certified to EN388 standards and ideal for offshore and other rough and tough working environment. The Explorer was designed with highest level of hand safety in mind, protecting against mechanical risks and lab tested for puncture, tear, cut and abrasion resistance. German origin Markator is the name synonymous with marking technologies. Cutting edge low stress marking has many advantages in terms of safety, speed and quality compared to other forms of conventional marking. Today, the world's only truly portable battery-operated marking machine proudly bears the logo of Markator. Another flag ship safety innovation from us is the Wrench Cradle which eliminates various risks related to the use of cheater pipes.



OUR PRODUCT RANGE

KEMUNCAK PRODUCTS

CATEGORY	SUB-CATEGORY	PRODUCT NAME	
OFFSHORE CONTAINERS	STANDARD CONTAINERS	MINI CONTAINERS	
		DRY VAN CONTAINERS	
		HALF HEIGHT CONTAINERS	
		OPEN TOP CONTAINERS	
	SPECIAL CONTAINERS	MINI CONTAINERS DRY VAN CONTAINERS HALF HEIGHT CONTAINERS	
		PRESSURIZED MODULES	
		TOOLSHACKS	
		RIGGING LOFTS	
		H2S SHELTERS	
		ACCOMMODATION MODULES	
		REEFER UNITS	
		REEL ROOMS	
	BASKETS	CARGO / DRUM / HATCH / PERSONNEL BASKETS	
	OTHER CARGO CARRYING UNITS (CCU)	PIPE RACKS	
		WASTE SKIPS	
		BOTTLE RACKS	
		TOOLBOXES	
		TANK CONTAINERS	
ENGINEERED PRODUCTS		RFID TECHNOLOGY FOR CONTAINER TRACKING	
		HYDRAULIC PRESSURE UNITS	
		SPREADER BARS	
		WORKSHOP PIPE RACKS	
SAFETY PRODUCTS		CUSTOMIZED ENGINEERING SOLUTIONS	
		IMPACT RESISTANT EXPLORER GLOVES	
		POLKA DOT GLOVES	
		MARKING MACHINES	
		WRENCH CRADLES	



OFFSHORE CONTAINERS STANDARD CONTAINERS



MINI CONTAINERS

Standard sealed containers ideal for the transportation of smaller goods and specifically ideal for palletized chemicals and IBC chemical carriages as well as small items such as tools, food, waste, etc. on supply ships to and from oil rigs.

Standard Features:

- Supplied with slings & shackles as standard.
- Integrated forklift pockets.
- Stackable.
- Internal tie down points.
- Anti slip features on floors and roofs.
- Complete offshore paint system with sandblasting to SA2.5 and 3-coat paint system.
- Finishing color can be customized, with decals and logos fitted.

Custom Features:

• Intermediate deck and door cargo net as options.

Typical Sizes:

6Ft(L) x 6Ft(W) x 8Ft(H)

Typical Rating:

Payload - 4000 kgs, Tare Weight - 1500 kgs, MGW - 5500 kgs



DRY VAN CONTAINERS

General purpose offshore containers used for storing and transporting of dry goods such as equipment, tools and other items used in the offshore industry.

Features:

- Supplied with slings & shackles as standard.
- Integrated forklift pockets.
- Stackable.
- Internal tie down points.
- Anti slip features on floors and roofs.
- Complete offshore paint system with sandblasting to SA2.5 and 3-coat paint system.
- Finishing color can be customized, with decals and logos fitted.
- 10ft, 20ft and 40ft models can be designed with CSC/ISO certification, fit for ocean voyagers with container ships.

Standard Models:

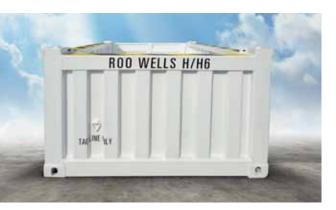
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Outs	side Dimens	ions	Ratings					
Length/Ft Width/Ft Height/Ft		Payload/kgs	Tare Weight/kgs	MGW/kgs				
8'	6' or 8' 8'6" 8470		1530	10000				
10'	8'	8'6"	8270	1730	10000			
15'	8'	8'6"	10700	4300	15000			
20'	8'	8'6"	16150	3850	20000			
40'	8'	8'6"	18100	6900	25000			

Note: Customization available upon request



STANDARD CONTAINERS

OFFSHORE CONTAINERS



HALF HEIGHT CONTAINERS

Suitable for offshore lifting and transporting of cargo to and from offshore platforms including the lifting and storage of tools and pipes used in offshore environment.

Features:

- Supplied with slings & shackles as standard.
- Integrated forklift pockets.
- Stackable.
- Internal tie down points.
- Supplied with cargo nets or tarpaulins.
- Removable side doors.
- Complete offshore paint system with sandblasting to SA2.5 and 3-coat paint system.
- Finishing color can be customized, with decals and logos fitted.

Standard Models:

Outs	side Dimens	ions	Ratings			
Length/Ft Width/Ft Height/Ft		Payload/kgs	Tare Weight/kgs	MGW/kgs		
10'	8'	4'3"	8270	1730	10000	
15'	8'	4'9"	10000	2230	12230	
20'	8'	4'3"	17620	2870	20490	
23'	8'	4'9"	12000	3350	15350	

Note: Customization available upon request.



OPEN TOP CONTAINERS

Ideal for the transportation of equipment that required loading by crane. Suitable for offshore lifting and transporting of cargo, tools and equipment.

Features:

- Supplied with slings & shackles as standard.
- Integrated forklift pockets.
- Stackable.
- Internal tie down points.
- Supplied with cargo nets or tarpaulins.
- Removable side doors.
- Complete offshore paint system with sandblasting to SA2.5 and 3-coat paint system.
- Finishing color can be customized, with decals and logos fitted.

Standard Models:

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Outs	side Dimens	ions	Ratings						
Length/Ft Width/Ft Height/Ft		Payload/kgs	Tare Weight/kgs	MGW/kgs					
10'	8'	8' 8'6" 8020		2200	10220				
13'	8'	8'6"	10000	2410	12410				
20'	8'	8'6"	9750	3450	13200				
22'	22' 8' 8'6"		10000	3700	13700				

Note: Customization available upon request.



SPECIAL CONTAINERS









WORKSHOP CONTAINERS

For repairs, maintenance and storage of equipment & tools, providing a safe and comfortable working environment.

- SOLAS A60/B15 fire panels.
- Emergency hatch.
- Mineral wool insulation.
- Other furniture available upon request. High strength steel workbench, cabinets, tool racks and hooks.
- EX air conditioning system, lights, switches, sockets and cablings.
- EX installation as per ATEX, IECEx standards.
- Electrical installations according to CE, IEEE, AS, GB on request.

Sizes:

- 10ft model: 2991mm x 2438mm x 2591mm
- 20ft model: 6058mm x 2438mm x 2591mm
- Customized dimensions available upon request.

PRESSURIZED MODULES

Offshore container with A60 fire rated panels and ex-proof apparatus for working in hazardous Zone I/II/Safe areas.

Features:

- Flexible and customized dimensions and layout.
- A60 fire rated. ■ PDC (Control Panel) ■ PLC controlled fire and gas detection system.

NORSOK Z-015

- **Certifications:**
- DNV2.7-1 / DNV 2.7-2 / EN12079
- ATEX, IECEx

10Ft / 20Ft / 40Ft ISO Sizes / Customized

Application:

H2S Shelter; Workshop; Operating Room; Lab Cabin; Living Quarter; Office

TOOLSHACKS

Used for storage and transportation of various tools used for offshore industry.

Stackable, integrated with forklift pockets, supplied with a cargo door net and the internal walls have unistrut to allow quick change out or addition of equipment. Can be fitted with crane and provided with EX equipment.

Typical Sizes:

6Ft / 10Ft / 15Ft / 20FT / Customized

RIGGING LOFTS

Designed for storing rigging and lifting equipment.

- Special shelves for rigging equipment.
- 3-dimensional adjustable rack.
- Other furniture on request.
- Ex lightings, switches, sockets and cablings to ATEX and other standards.

Typical sizes:

6Ft / 10Ft / 20Ft / Customized

SPECIAL CONTAINERS









H2S SHELTERS

In petrochemical plants and oil & gas production facilities, there is the potential for gas exposure accidents.

H2S is one of the most dangerous gases.

H2S Shelters provide a safe haven for personnel to take refuge in the event of a major H2S and CH4 release. People can stay in the shelter for up to 2 hours pending rescue. Engineers can handle the emergency in the operating room. When needed, they can put on personal respirator and stop emission outdoor.

ACCOMMODATION MODULES

Provide an area for living and working. Can be a combination of bedroom, bathroom and office and accommodate 1-8 persons. Bathroom/shower facilities can be either internal or external. Modules can be interconnected to form larger multi-purpose module sections for placing on offshore installations.

Features:

- With air conditioning system.
- External electrical installations to ATEX Ex, IEC Ex.
- Internal electrical installations to CE standards.
- SOLAS A60 fire rated panels and air tight doors.
- Emergency hatch and window with A60 insulation.
- Anti-static PVC flooring.
- Furniture(Single beds / bunk beds, desks, chairs, cabinets, shower, toilet, sinks, etc.)

Typical sizes:

20Ft or 40FT ISO Sizes / Customized

REEFERS

Designed for storage and transportation of refrigerated foodstuff or general cargo with temperature range from -25°C to $+25^{\circ}\text{C}$.

Features:

- Polyurethane insulation with aluminium / stainless steel lining.
- Carrier 69NT40 or Thermo King Magnum refrigeration units.

Typical sizes

10Ft (10,820kgs MGW) / 20Ft (20,000kgs MGW) / 40Ft (34,000kgs MGW) ISO Sizes.

WORKSHOP WITH REEL ROOMS

It is built in an enclosed offshore container with separate operation room and reel storage room.

Features:

- Ex electrical system installed for Zone II.
- Ex floor heating.
- Reel drums with air motor fitted in a storage room.

Typical sizes

20Ft(L) x 8Ft(W) x 8.5Ft(H) / Customized



BASKETS









CARGO BASKETS / DRUM BASKETS / HATCH BASKETS / PERSONNEL BASKETS

Very useful and versatile cargo carrying units suitable for transport of a variety of different goods such as drill pipe, casings and general cargo. Loading and unloading with crane is ideal due to the open-top design. They have great lifting capacity and usually comprise several latching points inside. Other variations are Drum, Hatch and Personnel Baskets.

Standard Features:

- Supplied with certified slings and shackles as standard.
- Designed to be stackable.
- Precision-machined pad eyes slotted and fully welded into top rail of baskets for maximum strength.
- Integrated forklift pockets for ease of handling and offloading at yards.
- Internal tie downs points throughout the interior of baskets for securing of cargo.
- Solid, grated or expended metal floors.
- Solid or expended metal walls.
- Can be supplied with cargo nets or tarpaulins.
- Guide rails or custom-designed cradle supports can be provided to suit various tooling cargo.
- Complete offshore paint system with sandblasting to SA2.5 and 3-coat paint system.
 - Hot dip galvanizing is another option of surface finishing. Finishing color can be customized, with decals and logos fitted.

Standard Models:

Outside Dimensions			Ratings				
Length/Ft	Width/Ft	Height/Ft	Payload/kgs	MGW/kgs			
4'	4'	2'	3000	350	3350		
8'	4'	4'	4000	4000 920			
10'	4'	4'	6000 1100		7100		
10'	8'	4'	6000	6000 1500			
20'	4'	4'	10000 1700		11700		
22'	4'	4'	10000	1800	11800		
30'	4'	4'	10000 2100		12100		
35'	4'	4'	10000 2300		12300		
40'	4'	4'	10000 2600		12600		
45'	4'	4'	12000 3080		15080		
50'	4'	4'	12000 3400 12000 4000		15400		
60'	4'	4'			16000		
70'	4'	4'	12000	4500	16500		

Note: Customization available upon request.

Other Variations of Baskets:

- Drum Baskets of 8'Lx7'Wx5'H (Payload-1200kgs; MGW-6200kgs); 12'Lx5'Wx5'H (Payload-1500kgs; MGW-8000kgs).
- Personnel Baskets typically for 2 persons (5'x3'11"x7'7"; Payload-2000kgs; MGW-2640kgs), or can be customized.



OTHER CARGO CARRYING UNITS



PIPE RACKS

For storage and transportation of various types and sizes of Pipes for offshore industry. Pipes can be sorted, arranged and latched in built-in slots designed for such applications. Typical slots are designed for 3" and 4" diameter pipes.



SPOOLERS

Spooler built-in on an offshore frame to DNV2.7-1. The reel is driven by air motor which provides advantages of less maintenance, more durable, no oil leakage, and safer for operating.

Features:

- Quick installation and removal of cable drums.
- Flexibility for adapting to various drum sizes.
- Air driven motor to provide back tension on cables.

Typical sizes:

- 8'Lx7'Wx8'2"H Payload- 7500kgs
- 10'Lx8'Wx8'6"H Payload- 7500kgs
- Customized models available upon request.



WASTE SKIPS

General Waste Skips are usually boat-shaped and used for transportation of non-hazardous waste in the offshore industry. Mud Skips / Drill Cutting Skips are used for transportation and safe handling of hydrocarbon contaminated drill cuttings to and from offshore platforms, they come with large but lightweight sealed lids.

Typical sizes:

■ 7Ft / 8Ft / 13Ft Lengths / Customized



BOTTLE RACKS

Allow secure transportation and storage of industrial and respiratory gas bottles for a wide range of offshore applications. Suitable for offshore lifting and handling of pressured gas bottles. Stackable, fitted with forklift pockets on all sides for ease of movement and with access door and bottle lashing points to secure cargo.

Standard Models:

Capacity /	Outs	side Dimens	ions		Ratings	
No. of	Length/Ft	Width/Ft	Height/Ft	Payload/kgs	Tare Weight/kgs	MGW/kgs
4/6	3'6"	3'6"	7'1"	2000	710	2710
12	4'8"	3'10"	8'1"	2000	670	2670
16	4'9"	4'6"	7'2"	4000	1140	5140

Note: Customization available upon request



OTHER CARGO CARRYING UNITS



TOOLBOXES

For storage and transportation of various tools, pressure test equipment, completion kits and other smaller items for the offshore industry. They have access door(s) to the front and some have a lid on top. This provides two access points for easy loading. Also have tie down points to secure the load.

Typical sizes:

4ft x 3ft / 4ft x 4ft / 6ft x 4ft / Customized



PUMP MODULES

Used for flooding, hydro jetting and pressure testing. Utilizes centrifugal and plunger pumps with diesel engines from Volvo/Cummins/Caterpillar/Detroit. Can be fitted with Rig Safe Kits from Amot or with Ex Zone 2 kit from Pyroban. Optional Ex Zone 1 electric motor can be installed as an option to diesel engine.

Features:

- Ex Zone 1 electric motor.
- Ex Zone 2 Pyroban kit for diesels.
- Rigsafe kit with shut down valve for diesel.
- Silencer with spark arrester.
- Dual tank for 10 hours continuous work.

Typical sizes:

10ft / 20ft footprint / Customized



COMPRESSOR MODULES

For powering rock drill, hammers, sandblasters and other air driven tools. The engine can work at temperature down to -25°C. Typical working pressure from 7 to 14Bar; air delivery from 151 to 185 L/S; Engine rating from 82kW to 104kW, 4 cylinders. Designed for the harshest working environment. NORSOK-compliant paint system.



TANK CONTAINERS

For transportation of dangerous or non-dangerous fluids. Straight edged tanks can be made larger, stored closer together, and stacked better, with less wasted space in storage and are easier to tote. Tanks, with frames certified to DNV2.7-1, can be made in measurements to completely fill a transportation or storage space's volume. Most common Tote Tanks/IBCs come in 350 / 550 Gallons; 2,000L / 4,000L / 10,000L.

ENGINEERED PRODUCTS

HYDRAULIC POWER UNITS (HPU)





Self-contained air-driven Hydraulic Power Units (HPU) are used to pressurize valves, fittings, hoses, piping, vessels and wellhead equipment. Also suitable for supply of hydraulic power to operating cylinders, presses, rams, jacks, bolt tensioners and actuators. Whenever high flow and high pressure is required, our HPU will provide it. Quick testing or testing of large objects is possible with an optional high flow, low pressure air driven pump. This additional pump can be a single- or double acting one. All components, including the necessary connecting materials and tubing are built together in a stainless steel enclosure frame complete with tank or direct water feed connection.

Features:

- Easy and low cost maintenance.
- Low noise level.
- Operating features & gauges mounted on an ergonomic operating panel.
- Robust and modular design.
- Wide range of operating pressure up to 20,000psi.
- Proven reliability in pressure test bay environment.



- Air driven pumps.
- Air treatment units.
- Air gauges.
- Air regulators.
- Output pressure gauges.
- Pressure release valves.
- Built-in reservoir or direct water/fluid feed.







ENGINEERED PRODUCTS

OTHERS



RFID TECHNOLOGY FOR CONTAINER TRACKING

Radio-Frequency Identification (RFID) technology could be used to locate offshore containers. If you've seen one container you've seen 'em all—but you don't see where they all go. So you don't know who to look to when your containers don't return-and you end up eating the replacement cost. A quarter of all companies lose more than 10 percent of their reusable containers every year, according to a published study. Instead of looking for missing containers, look into the visibility and accurate tracking that RFID can bring instead. RFID can take the guesswork, blind spots and manual recording out of returnable container management. There's a clear and strong business case for tracking logistics assets with RFID that's backed up by many successful real-world references.

Why are companies turning to RFID to manage returnable logistics assets?

- Because RFID operations are proven to reduce losses and labor.
- Because RFID is standardized and compatible with legacy systems.
- Because RFID is a proven asset management tool.



SPREADER BARS

A wide range of lifting capacities up to 250Tonne are available, both fixed as well as telescopic. Modular system with End Caps are also available as an option.



WORKSHOP PIPE RACKS

A storage system specially designed for arrangement and storage of pipes used in the oil & gas industry. Typical design comes with 4 cantilever arm levels, with capacities from 1 Tonne to 3 Tonne. Can be interconnected to form a large storage system.



SAFETY PRODUCTS

GLOVES









EXPLORER GLOVES

IMPACT RESISTANT GLOVES - THE EXPLORER Made For The Oil & Gas Industry Certified to EN388 Standards

Protecting Against Mechanical Risks:

- Puncture Resistance.
- Tear Resistance.
- Blade Cut Resistance.
- Abrasion Resistance.

Technical Features:

- Knuckle, Complete Fingertips, Thumbs, Back Of Hand, Wrist & Sleeve
- Protection.
- Flexible with a High Degree of Finger Dexterity, High Density & Resistance.
- Enhanced grip and durability.ID Tag for Employee Name.

Available Sizes:

S / M / L / XL

Clause	Test Name	Result				Performance Level
6.1	Abrasion resistance (Cycles)	8000	8000	8000	8000	4
6.2	Blade cut resistance (Index)	3.41 4.00 3.83 3.33 3.52	Avg 3.62	3.33 3.43 3.42 3.09 3.14	Avg 3.62	2
6.3	Tear resistance (N)	50.1	54.3	67.5	56.9	3
6.4	Puncture resistance (N)	108.3	119.3	103.2	107.6	3

POLKA DOT GLOVES

- 8 Oz Cotton Gloves with knitted wrist band.
- Impregnated with small PVC dots on both palm and forefingers for better grip against any coated object.

SAFETY PRODUCTS

MARKING MACHINE



FLYMARKER BATTERY OPERATED MARKING MACHINE

770VAA

CNC hand-held marking system - FlyMarker ® XL MOBIL AKKU

- High functionality simple to use
- Handy and lightweight
- Clear structured operating software
- Fast communication via USB slot
- Visual marking preview
- Storage capacity for several hundreds of marking-files and logos
- High resolution LC-colour display

Marking area:

■ 75 x 25 mm or 120 x 25 mm



TABLE TOP MARKING MACHINE

CNC table marking system - NetMarker ® XL

- Combinable with the central control unit MV5 ZE 301 XL
 High marking quality
- Easy handling
- Ready for operation directly after installing the software
- Marking preview, changing of position and marking text possible
- Low-priced stand-alone marking system

Marking area:

■ 100 x 100 mm



COMBI MARKING MACHINE

Wouldn't it be practical to do several marking jobs with just ONE marking system? Mark big parts and ones which are difficult to access directly on site AND small ones on your work bench? And furthermore save time, money and space? If so, Flymarker Combi is exactly the what you need!

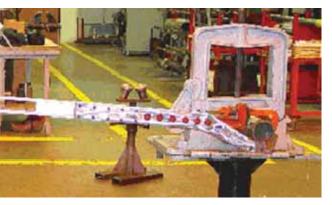


SAFETY PRODUCTS

WRENCH CRADLES









WRENCH CRADLES

- The Wrench Cradle is a tool specifically designed and engineered for amplifying the applied torque available from traditional pipe wrenches.
- While similar in appearance and function to a "Cheater" bar, it differs in that it accomplishes the leverage without extending the handle of the pipe wrench in any way. No incidental loads are applied to the pipe wrench anywhere along its length; the load is applied to the pipe wrench just as if the operator was pushing down on the handle unassisted.
- It uses leverage to increase the load that an operator can safely apply to the pipe wrench without extending the handle or modifying the wrench in any way.
- It is of a fixed length and engraved on the handle with operational limitations, performance specifications and critical assembly information for the user.
- The hook of the Wrench Cradle is designed to straddle the pipe wrench, rest on the work piece and provide lateral stability to the device independent of the pipe wrench.
- The device is fabricated from lightweight high strength wrought aluminium, and is a combination of four components.
- For instance, with the 36" model, the overall weight for the device is just less than 26lbs to allow unassisted handling by a single operator.

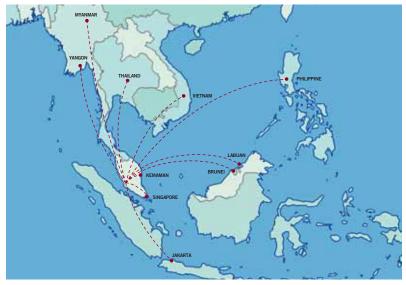
Available sizes:

^{24"}, 36" and 48"



OUR CUSTOMERS





HALLIBURTON













