

OSAAP[®]

A M E R I C A

5S/ LEAN MANUFACTURING PROCESS CONTROL

FOD: "FOREIGN OBJECT DEBRIS"

AUTOMOTIVE

CASES



SHADOW BOARDS

DESIGN AND MANUFACTURE OF

CUSTOM SHADOW BOARDS

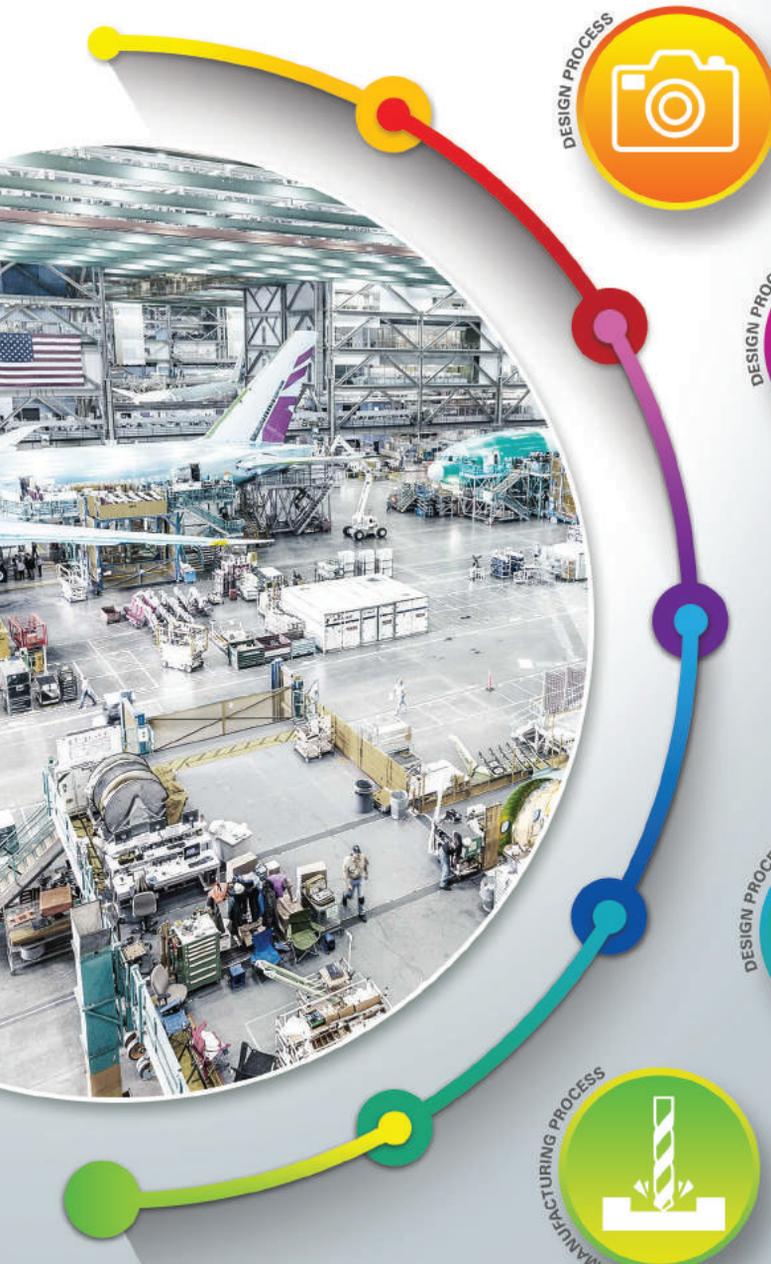
sales@osaapamerica.com
10 Kidder Road Unit 4, Chelmsford, MA 01824

www.osaapamerica.com
P: 877-652-7227 F: 978-699-3084

MANUFACTURING PROCESS

We have the professional team to design and produce *Shadow Boards* according to your specific needs. You can also be part of the design process with our free downloadable design software.

OSAAP[®]
A M E R I C A



1. Image: Using one of the OSAAP AMERICA Light Panel products, arrange the tools you need on the panel in any order. With the high resolution camera provided, capture a photo to use for designing your *Shadow Board*.

2. Design:
(Computer Aided Design - CAD)
Following the linear design progression of our FREE **Blue Shadow CAD Software**, select the board thickness, color, and size you need. Lay out your board using simple to understand icons to straighten, align, and customize multi-depths for your tools on the Shadow Board. Save your Board in our proprietary .bord format and also begin to build your tool data base.

3. Web Portal: Obtain a new project web portal from OSAAP America. The web portal is designed to upload .bord files and photos taken on our OSAAP America Light Panel products.

4. Approval: Once we receive your design information through the web portal, we will review the material. After the design is completed, a .pdf document is issued in the portal for approval.

5. Mill & Laser:
(Computer Aided Manufacturing - CAM):
Milling: The manufacturing side of our process is equally as automated as the design side, enabling us to manufacture a single board just as efficiently as multiple boards.
Laser: We can incorporate your logo onto the Shadow Board design & laser mark your custom text into your board with ease.





THE IDEAL SOLUTION FOR
HIGHER EFFECTIVENESS



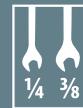
**LOCATE
MISSING**

Thanks to the great precision of its machining, *Shadow Boards* guarantee an excellent order and protection for tools and accessories, avoiding the loss of them. The tools will always be accessible and any missing tools at the workstations can be detected immediately.



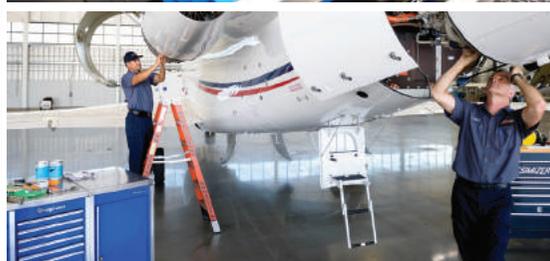
HAVE ONLY
WHAT YOU NEED
LEAN, 5S & FOD

In the Aeronautics and Automotive industries, it is essential that all tools and/or parts comply with LEAN, 5S and FOD standards. *Shadow Boards* can be used in drawers, worktables and cases depending on customer needs.



**LASER
MARKING**

The design includes laser engraving of the measurements, numbers of tools, processes and logos, which turns a simple board into a total control system for your tools and equipment.

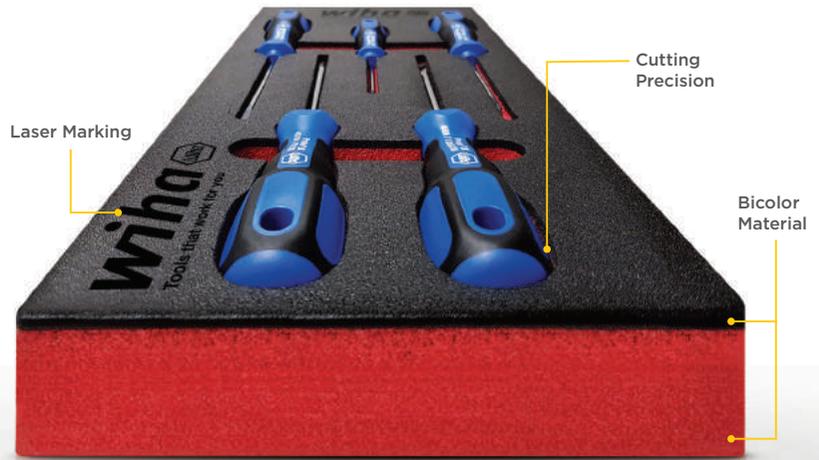


SHADOW BOARDS

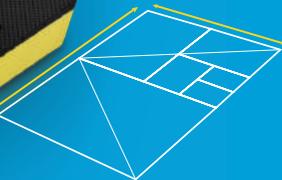
Design and manufacture of custom shadow boards

Manufactured with Zotefoam products because they are the purest polyethylene foams manufactured in the world today

OSAAP AMERICA offers its customers the design and manufacture of fully customized *Shadow Boards* in any form and size, promptly complying with customer specifications and in a very short delivery period.

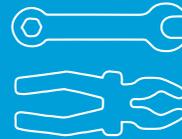


CUSTOMIZE YOUR WORK AREA!



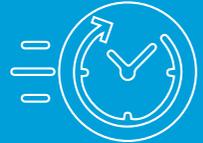
ANY SIZE

The organization is fundamental in the industry, whereby our boards can be manufactured for drawers, workstations and cases depending on customer needs.



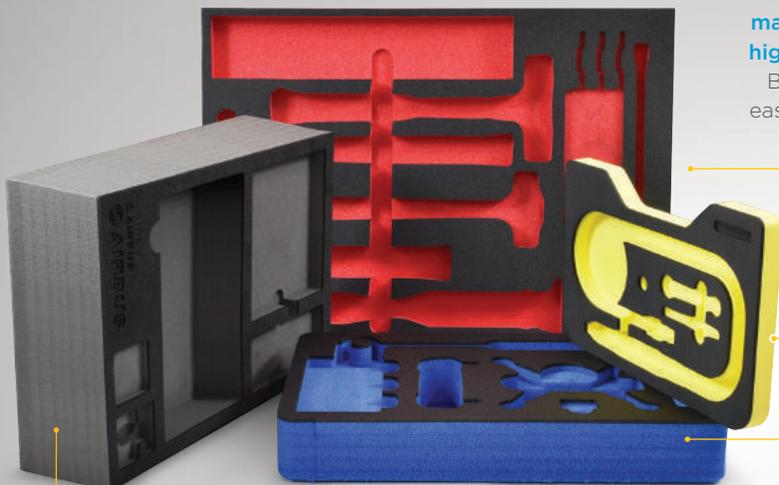
ANY SHAPE

Shadow Boards guarantee an excellent order of tools and accessories, protecting and preventing the loss of them.



SHORT DELIVERY PERIOD

OSAAP workflow has been refined over the past decade through its network of global partners. We offer the fastest and proven methods for remote image capture, design, global project management, and manufacturing.



Shadowboards manufactured with high strength foam
Bicolor design for easy order and tool identification

30 mm thick

60 mm thick

90 mm thick

FOAM available in red, blue, yellow, green, grey and black





Our material

Our standard foam for Industrial applications is Zotefoam LD45. We stock material with a 3mm to 5mm black top layer and a colored bottom layer: Blue, Red, Green, Yellow, and Grey. These combinations are stocked in **30mm, 60mm and 90mm** thickness.

For ESD applications we stock **LD50CN**. This material is supplied only in all black with no additional top layer. We stock **LD50CN** in **30mm, 60mm and 90mm** thickness.



Shock and liquid resistant



High Durability



Great versatility in colors



Top Quality worldwide



Laser: to etch your Company logo and label your parts



5S & LEAN MANUFACTURING PROCESS CONTROL

Organizational processes that simplify the work area making it more efficient in an operative way, reducing time and errors. Shadow Boards helps establish an order by keeping only the necessary tools near the operator.

FOD: "FOREIGN OBJECT DEBRIS"

The two-color design helps you quickly recognize the missing tools.

AUTOMOTIVE

Every mechanic has a unique tool drawer. Our CAD/CAM design to manufacturing process allows us to make every Shadow Board to your specific requirement without increasing the cost.

CASES

OSAAP AMERICA can provide you a complete case supplied with your own custom foam insert. OSAAP is proud to offer the finest in rugged cases for many applications.





WORKSTATIONS

Fits any space
and shape



TOOL BOXES

Transport and
storage



CASES

Protect your
equipment

