

Midmark cabinets vs. local millwork

Dental practices are specialized treatment facilities with needs that are profession and practice specific. Unlike Artizan® Expressions and Synthesis® Cabinetry, local millwork is basic in design, and oftentimes, the builder lacks the expertise necessary to provide important functional features. Typical materials are not different than what is used in builder-grade cabinets; not durable enough to perform well in a dental environment. Understanding the difference in construction is very important.



Base material

A good cabinet base should be strong enough to provide sufficient support to the cabinet and be made from painted or stainless steel. Basic plywood or particle board bases with laminate covering can delaminate and swell over time. The base should incorporate adjustable levelers to level cabinets on uneven floors. Wood shims should be limited in use as they can decompose, providing insufficient support.

SYNTHESIS® CABINETS



- Thermofoil over electrostatic, powder-coated painted steel (woodgrain and metallic colors)
- Electrostatic, powder-coated painted steel (solid colors)
- Integrated adjustable levelers

ARTIZAN® EXPRESSIONS



- Seamless stainless steel
- Integrated adjustable levelers

LOCAL MILLWORK



- Basic plywood or particle board covered with laminate
- Wood shims used for leveling

Cabinet frame

The frame needs to be strong and durable to withstand the demands of the healthcare environment. Since it will encase many components, it must be built with stability. The modular design allows for future integration of new storage options. Multiple configurations should be offered to meet specific design requirements.

SYNTHESIS CABINETRY



- 18-gauge cold rolled steel
- Modular design

ARTIZAN EXPRESSIONS



- 3/4" industrial-grade particle board
- Can be configured to specific design requirements

LOCAL MILLWORK



- Often made from 1/2" to 5/8" low-density particle board or various types of plywood
- Basic or limited designs

Panel substrates

The substrate is the core material of a cabinet's paneling. Higher density boards, such as industrial-grade particle board or medium density fiberboard, are recommended because of their minimal shrinkage/expansion properties. Lower density boards are much less stable and are more prone to warping. When veneered, plywood is not recommended because humidity can cause this cross-ply material to shrink and expand in various directions, resulting in separation of the core from the finish.

SYNTHESIS CABINETRY



- Medium-density fiberboard
- 3/4" panels

ARTIZAN EXPRESSIONS



- Industrial-grade particle board
- 3/4" panels

LOCAL MILLWORK



- Low-density particle board
- Various types of plywood

Finishes

All exposed surfaces must be covered and sealed to prevent damage from moisture common in the dental environment. Factory pre-applied, thermally fused melamine, high-pressure laminate and thermofoil (vinyl) offer the best resistance to wear, staining and moisture. Paints and varnishes are not recommended because they will not stand up to the stringent agents and disinfectants used in a dental office.

SYNTHESIS CABINETRY



- PVC thermofoil (woodgrain and metallic colors)
- PVC thermofoil and electrostatic, powder-coated paint (solid colors)

ARTIZAN EXPRESSIONS



- Factory pre-applied, thermally fused melamine

LOCAL MILLWORK



- High-pressure laminate
 - Do not always follow proper application methods
 - Use low grade substrate material
 - Inadequate edgebanding methods
- Varnished, painted or left unfinished

Edge treatments

There is no need for edge treatments when using a membrane-pressed thermofoil finish because the material is completely wrapped around the edges of the cabinet panel. However, when using a high-pressure laminate or thermally fused melamine finish, an edge treatment is necessary to completely seal the panel corners from moisture. Acceptable treatments are 2 or 3 mm PVC edgebanding. Keep in mind, all these materials require adequate equipment for application. Square-edged laminate stripping can produce sharp, dangerous corners and, when applied with contact adhesive, it can delaminate over time.

SYNTHESIS CABINETRY



- Membrane-pressed thermofoil

ARTIZAN EXPRESSIONS



- 3 mm PVC edgebanding

LOCAL MILLWORK



- Square edge strips
- 2 mm edgebanding

Types of assembly

There are four methods for assembling cabinetry: glue dowel, mechanical, knock down and staple fasteners. Glue dowel, mechanical and knock down fasteners are recommended assembly methods because they create strong, durable joints. Staple fasteners can cause weak joints and the staples are exposed.

SYNTHESIS CABINETRY



- Mechanical fasteners (screws, pop rivets) and Tog-L-Loc® sheet metal joining system

ARTIZAN EXPRESSIONS



- 100% glue dowel assembly

LOCAL MILLWORK



- Frequently uses staple fasteners

Hinges

Quality steel hinges should provide optimum support and adjustment. Concealed hinge mounting allows for easy cleaning. Builder-grade hinges are less durable.

SYNTHESIS CABINETRY



- Quality, adjustable, concealed steel hinges
- Secured to steel foundation
- Soft-close feature

ARTIZAN EXPRESSIONS



- Quality, adjustable, concealed steel hinges
- Soft-close feature

LOCAL MILLWORK



- Builder-grade hinges

Drawers

For the dental environment, the best option is strong, seamless drawers that can contain spills and be easily cleaned. The next best option is metal-sided drawers with a wood bottom and the back covered with factory, pre-applied, high-pressure laminate or thermally fused melamine. Unfinished or varnished drawers are unacceptable in these types of environments.

SYNTHESIS CABINETRY



- Seamless, polystyrene drawers

ARTIZAN EXPRESSIONS



- Wood bottom and backs with factory, pre-applied, thermally fused melamine
- Metal sides with front panel adjustment and removal feature

LOCAL MILLWORK



- Inside drawers are often varnished, painted or left unfinished

Drawers slides

The best choice is a ball bearing type slide with full extension. Drawer systems must be durable to withstand the high usage demands of a healthcare facility and support the weight of heavy equipment and supplies.

SYNTHESIS CABINETRY



- Full extension ball bearing drawer system
- Secured to steel foundation
- Soft-close feature

ARTIZAN EXPRESSIONS



- Full extension ball bearing drawer system
- Soft-close feature

LOCAL MILLWORK

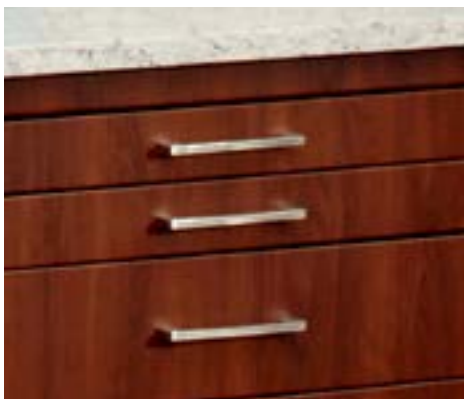


- Typically use a single, undermounted runner (monorail glide) or slides common in kitchens

Handles

The best asepsis option for handles are seamless, integrated handles or high-grade, non-corroding metals like brushed nickel or stainless steel for easy cleaning and disinfecting. Handles made of plastic or aluminum may stain or oxidize over time.

SYNTHESIS CABINETRY



- Integrated and insert handle option
- Brushed nickel pull options
- Antimicrobial option

ARTIZAN EXPRESSIONS



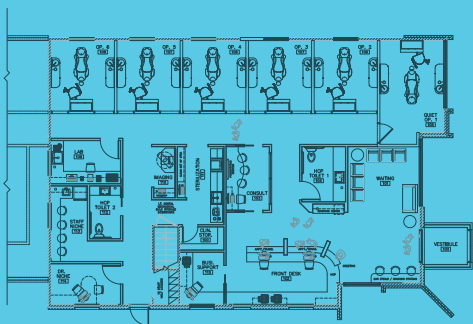
- Brushed nickel handles

LOCAL MILLWORK



- Most use "C" style pulls made of plastic or aluminum

What you get with Midmark



► Let Us Help Design Your Practice



DESIGN SUPPORT

Remodeling or building a new practice can be overwhelming. Midmark in-house design experts can assist with your project. Using their deep knowledge of the dental workspace and keen eye for style, they will help create the right look and layout of your dream office.

One size does not fit all. With a variety of designs, sizes and styles available between both cabinet lines, we can help you create an attractive space that is functional and built to withstand the rigors of the dental environment. Go with all one line, or mix and match our two lines to meet your needs now and into the future.



WARRANTY AND SERVICE SUPPORT

We stand by the quality and reliability of our Artizan Expressions and Synthesis Cabinetry lines - that is why we offer a standard five year limited warranty for both lines purchased through authorized Midmark dealers. In addition to warranty, Midmark has a large team of expert customer experience and technical support representatives that will assist you with any product questions regarding installation and service.

TAX INCENTIVES

Dental cabinetry is classified as capital equipment so it can be depreciated faster than built-in cabinets made by local cabinet-makers or contractors.

(This is general income tax information and should not be construed as financial guidance or legal advice. You should consult with your tax advisor to determine what amount, if any, that your practice may qualify to deduct under current tax code based upon your particular facts and circumstances.)

Fabrication of local cabinets may vary. However, materials depicted are typical in local millwork cabinetry.

RESOURCES



HOW IT'S CREATED

If you can't come to us, we'll come to you. Check out our videos on how both Artizan Expressions and Synthesis Cabinetry are made. See the quality and craftsmanship that go into each and every cabinet we produce.



DENTAL DESIGN TOOL



Designing better care.™



WEBSITE