




steelsolutions™  
USA

concept to completion 

# Foundations of a new company

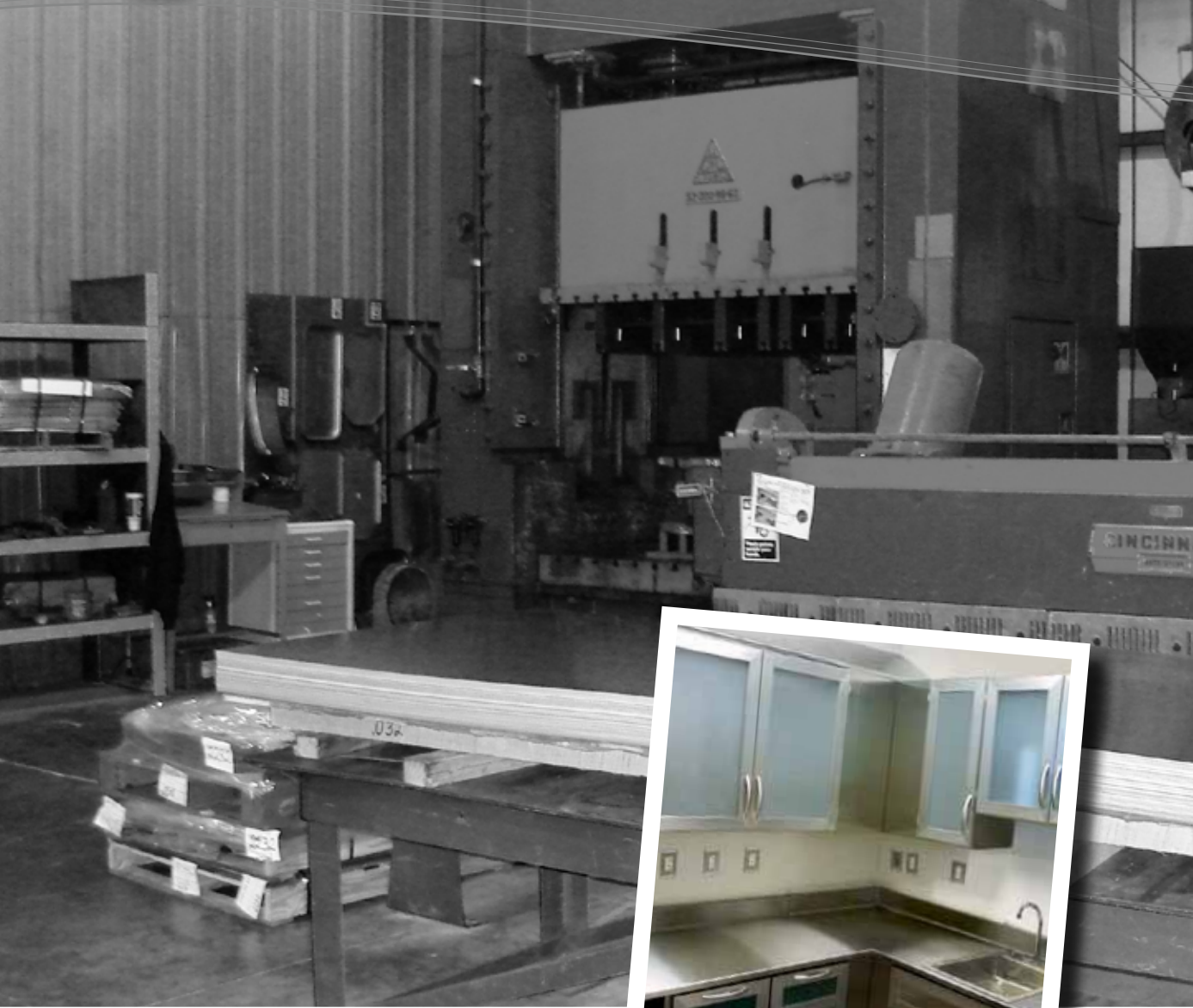


Photo of T&D Metal manufacturing plant and Steel Solutions installation. © 2010 Steel Solutions USA. All rights reserved.



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*“ For years the military has operated on establishing a standard platform for an item so that you can add a series of accessories to it, thereby changing its function and increasing its life span. We approach the cabinet box with the same philosophy.”*





Dear valued customer,

Welcome to Steel Solutions USA! Please take a few minutes to browse through our corporate brochure to learn more about us, our products, and our approach to the ever-changing healthcare environment.

While you currently may not be familiar with Steel Solutions USA, know that we are a new modular casework division of T&D Metal Products. T&D Metal Products produces stamped metal products for Ford, GM, Home Depot®, Lowe's®, to name but a few. T&D's other divisions are MPD Medical Carts, Petersen Tru-Cut Automotive, producing for a chain of NAPA® Auto Parts stores and Promo Karts LC manufacturing.

**Steel Solutions was created to meet and exceed the changing healthcare environment** and the constant evolution of new healthcare regulation requirements. The current industry standard for modular healthcare casework is laminate. *Laminate is sufficient to meet most needs short-term, but it does have long-term limitation.* Laminate is also attractive for short-term pricing, but it has a limited life span. Once the laminate is penetrated to the wood, the wood provides an access promotion point for mold growth and other potentially infectious bacteria.

According to IFMA, **most hospitals churn their laminated millwork between 3 and 5 years after it is installed** due to the limitations of laminate products. At Steel Solutions USA, we are concerned about the rising costs of healthcare and the impact that constant remodeling has on our environment. We have a great vision and philosophy at Steel Solutions: approach the market with a **repairable** product that is **reusable** for many applications. Further, introduce a product that inhibits infectious growth for the life of the product while being composed of **recyclable** material – all of this at moderate pricing. We do this through a reliable distributor network trained in needs analysis, the development of solution planning, and product installation and training. With all of the cabinet providers out there, this is our simple

question to you: **how many times do you want to buy a box?**

For years the military has operated on establishing a standard platform for an item so that you can add a series of accessories to it, thereby changing its function and increasing its life span. We approach the cabinet box with the same philosophy. Our standard cabinet box is steel.

All of our steel cabinets are coated with an **antimicrobially protected paint**, which is nontoxic and proven to be highly effective in reducing the number of contaminants on cabinets. Most of our steel is from reclaimed steel and is recyclable. Now that we have provided a strong platform, we add the accessories of thermofoil/laminate panels, doors, and drawers. In the years to come, if you decide that you have grown tired of the current look of an area, you still have a strong base platform with the steel cabinets. All you have to do is change a few panels, doors, and drawer fronts with a different finish for a whole new look **at a fraction of the cost of a complete remodel**. Most items can be replaced simply with a screwdriver, so the employee downtime of a full-blown remodel on high-traffic areas is kept to a minimum.

We invite you to experience a new approach to casework furniture. We provide flexible solutions to furnish your facility with innovative product. With Steel Solutions USA modular metal casework, save time, money, and allow for future changes at a minimal cost!

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“...this is our simple question to you: how many times do you want to buy a box?”

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## Base/Tall Cabinet Specs

### STEEL BODY CONSTRUCTION:

- 32 mm system provides cabinet heights 30 – 84", cabinet widths available in 3" increments 12 – 48" wide.
- Riveted construction increases strength and stability of cabinet body compared to traditional fastener screws while allowing for field repair and/or replacement of damaged components.
- 20-gauge/14-gauge reinforced, 4-point adjustable leveling base.
- Each cabinet is rated to support 500 lbs.
- System holes every 32 mm for adjustable shelving. All shelves can be locked in place.



### ACCESSORIES:

- Cabinet body finishes – Stainless steel or antimicrobial powder coated steel (colors include: nickel, black, frost, warm brown, designer gray, furniture white).
- Side panels – HPL, Thermofoil, PC Steel, or Stainless Steel. Drawers/Doors – HPL or Thermofoil. Worktop finishes – HPL, Thermofoil, or Trespa®. Toekick finishes – Stainless steel or Antimicrobial Black PC Steel.
- Framed aluminum door/drawer with panel inserts in:
  - Acrylic (clear, satin, black, satin silver)
  - Aluminum with brushed stainless steel finish
- Door locks
- Soft-close drawers are standard



Cabinet can be accessorized with HPL or Thermofoil finishes

## Wall Cabinet Specs

### STEEL BODY CONSTRUCTION:

- 32mm system provides cabinet heights 24 – 48", cabinet widths available in 3" increments 12 – 36" wide.
- Riveted construction increases strength of cabinet body, yet allows for field repair/replacement of damaged components.
- Wall cabinets are mounted to a removable wall track supporting over 200 lbs. per cabinet.
- System holes every 32mm for adjustable shelving. All shelves can be locked in place.

### ACCESSORIES:

- Cabinet body finishes – Stainless steel or antimicrobial powder coated steel (colors include: nickel, black, frost, warm brown, designer gray, furniture white).
- Side panels – HPL, Thermofoil, PC Steel, Stainless Steel. Doors – HPL or Thermofoil.
- Framed aluminum doors with panel inserts in:
  - Acrylic (clear, satin, black, satin silver)
  - Aluminum with brushed stainless steel finish
- Door locks



Cabinet can be accessorized with HPL or Thermofoil finishes

\* Wall cabinet pictured above has black powder coated steel body with aluminum framed doors – doors contain aluminum panel inserts w/ brushed stainless steel finish.

## Solution Wall (S-Wall) Specs

### STEEL BODY CONSTRUCTION:

- S-Wall system is designed to be used as a platform for hanging our wall cabinets when no constructed stud wall is present. Built-in bracketing system allows for custom height adjustment of any casework items mounted with bracket hardware.
- Standard steel internal S-Wall frame with 4-point adjustable leveling pads.
- Removable panels allow easy access to steel internal frame. Pass-through holes allow for installation of electrical chases, plumbing, gas, and oxygen.
- Wall heights are available up to 94".

### ACCESSORIES:

- Side panels – HPL or Thermofoil.
- Wall panels – HPL or Thermofoil.
- Framed aluminum wall panels with inserts in:
  - Acrylic (clear, satin, black, satin silver)
  - Aluminum w/ brushed stainless steel finish



\*



15° incremental  
slope shelving



USP 797 compatible



\* Solution Wall pictured above has black powder coated steel body, HPL panels, aluminum framed panels on top, with adjustable shelves and worktops. Cabinets are black powder coated steel body with framed aluminum drawer/doors using clear acrylic panel and satin silver panel inserts.



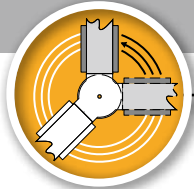
## Nurse Station Specs

### STEEL BODY CONSTRUCTION:

- Built on the S-Wall system allowing greater flexibility of casework configurations.
- Standard steel internal frame with 4-point adjustable leveling pads.
- Internal frame has upper and lower raceway for managing electric and data cables.
- All nurse stations/reception counter sections have many options including electrical raceways, lighted soffits, and adjustable, heavy-duty cantilever supports.

### ACCESSORIES:

- Front, side, and back panels – HPL or Thermofoil.
- Worktop finishes – HPL, Thermofoil, or Trespa®. Also accommodates solid surface, stainless steel, granite, quartz, and other various surfaces.



90 to 180° movement of wall sections around transition poles



Suspended cabinet under worktop using the bracketing system.

\* Nurse Station pictured above is built on the Solution Wall System, allowing cabinets to be mounted under worktops freeing up foot space. Front, back, and side panels are Thermofoil finishes. Both worktops and transaction tops are HPL finishes.

# Classic service...start to finish

## Service

Steel Solutions USA believes the key to any successful company is quality service – the way it should be. We assist you throughout all phases of a project, making sure you have everything you need to ensure your project vision becomes a reality.

We market through a reliable distributor network trained in needs analysis, the development of solution planning, and product installation and training. Our distributor groups span the United States reaching Hawaii and branching into parts of Canada. This allows us to give you the best possible service wherever you are located.

### 3 POINTS TO GREAT SERVICE

- 1) Reliable distributor network
- 2) Product savvy designers
- 3) Knowledgeable customer service

While a company is only as good as its service, a product is only as good as the people designing with it. Our design services aid end-users in proper product application and product capabilities, paving the way to a smooth casework installation.

It is said that customer service is the “face” of a company. Our desire is to give you the best service, product, and customer satisfaction around. We look forward to being a part of your solution.



Car image provided by iStock.com © 2010 Steel Solutions USA. All rights reserved.

## Warranty

Our warranty on Steel Solutions USA casework is a symbol of our commitment to serve you – our customer. We believe our casework to be of the highest quality and we stand behind our product.

We offer a **10-year warranty** on any steel components and inset frame doors and a **5-year warranty** on High Pressure Laminate (HPL) or Thermofoil components. All labor costs for replacement of manufacturing defects and/or on-site repairs are included within this warranty, further contributing to the first-class service you can expect from Steel Solutions USA. To ensure that we maintain the highest of standards throughout the

whole process, we require all of our product to be installed by a Certified Steel Solutions Distributor or an authorized installation company in order for our warranty to be in effect.

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“ *...10-year warranty on any steel components... 5-year warranty on HPL or Thermofoil components.* ”

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# Green by its very nature



## Green

Although the idea of recycling seems relatively new to us, the concept has been around for a while. Ancient cultures melted gold into new items of value. The Great Depression was a time where utmost care was given to every resource a person had, giving “reuse” a whole new meaning.

Most hospitals replace their laminate furniture every 3 to 5 years, impacting the landfill problems. We have all become aware of the importance of sustainable design as a better alternative to disposable products. In order to reverse this trend and aid in the responsible use of our resources, Steel Solutions USA has taken a different approach

to casework furniture – design for renewed use. That means starting with cabinets that are built to last by maintaining a product that is easily **repairable**, designing cabinets that are **reusable** in multiple applications, and using materials that are **recyclable** and have low impact on the environment.

### STEEL CABINETS

- Steel cabinets contain **96% scrap or recycled steel**. Stainless steel cabinets consist of **80% scrap or recycled material**.
- Component-based cabinet design allows for doors, drawers, panels, and hardware to all be reused/repaired/recycled as needed.
- The powder coat process eliminates the release of Volatile Organic Compounds (VOCs) that are prevalent with other paint methods.







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**LAMINATE/THERMOFOIL COMPONENTS**


Laminate and thermofoil still has a strong viable place in the healthcare market. We provide a strong, stable base platform in steel that does not accept the penetration of water, thereby restricting bacterial growth. It is on this stable platform that we attach our laminate/thermofoil doors, drawer fronts, and panels.

- All laminate panels are made from **100% pre-consumer recycled wood fiber**.
- Our HPL laminates are GREENGUARD Indoor Air Quality Certified® and GREENGUARD for Children and Schools CertifiedSM.
- Laminate/Thermofoil provides an array of finish selections that provide low-cost, decorative protection to cabinet fronts and sides.

**LEED®** Leadership in Energy and Environmental Design. See Potential Credits Below

| LEED® Category   | Description  | Materials  |
|--|--|--|
| <b>Materials and Resources</b><br>MR 3.1 & 3.2<br>MR 4.1<br>MR 4.2<br>MR 5.1 & 5.2 | Re-use of building materials and products.<br>Products contain at least 10% recycled content.<br>Products contain at least 20% recycled content.<br>Use of 10–20% materials (by cost) are regionally manufactured. | Our cabinets are modular, making existing product reconfigurable and reusable. Our steel cabinets contain 96% scrap/recycled steel; stainless steel cabinets contain 80% scrap/recycled steel. All laminate panels are made from 100% recycled wood fiber. All cabinets/steel made in the U.S. |
| <b>Environmental Quality</b><br>EQ 4.4 & 4.5                                       | Low emitting materials (VOC's) in commercial interiors.  | Steel powder coating process eliminates VOC emissions.   |





Cleaning protection 24 hours a day

## Steel Solutions Casework

### AGION® ANTIMICROBIAL PROTECTION

Steel Solutions USA recognizes that in a healthcare environment, all surfaces can become susceptible to microbial growth. Our cabinets are coated with an antimicrobially protected paint which is highly effective in reducing the number of microbes on the surfaces of cabinets. The coating contains a silver solution additive called Agion®, an antimicrobial proven to be effective at inhibiting the growth of bacteria, fungi, mold and other microbes.

### HOW IT WORKS

The surfaces are treated with a silver-ion (Ag) additive paint. When microbes come into contact

with the treated surface, silver ions are released to the surface to destroy the microbes. These silver ions inhibit the growth and reproduction of microbes in three ways:

1. **Suffocation** – by attacking the cell wall.
2. **Starvation** – by interrupting cell metabolism.
3. **Sterilization** – by preventing cell reproduction.

### PROVEN AND EFFECTIVE

Instead of using synthetic chemicals to inhibit these microbes, we use silver. This naturally occurring antimicrobial continuously resists the growth of microbes.



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Agion's wide spread approval and registrations including EPA, FDA, NSF, USDA, Canada, European BPD (Biocidal Products Directive), Swiss and EFSA (European Food Safety Agency) further testifies to its safety. Call Steel Solutions USA at (888) 875-5004 to find out how we can be of service to you. This could be the solution you are looking for.

Sources for article: © 2009 DuPont Coating Solutions, and [www.agion-tech.com](http://www.agion-tech.com).

**Disclaimer:**

Antimicrobial technology does not replace the need for good hygienic practices. Antimicrobial protection is limited to the treated item only and does not protect a user against disease-causing bacteria. Always clean products thoroughly after each use.

**Key Note:**

Silver has long been known for its antimicrobial properties. It has been used in water purification in ancient times and was used in eating utensils as well for sanitary purposes.

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**“** ...Agion<sup>®</sup>, an antimicrobial proven to be effective at inhibiting the growth of bacteria, fungi, mold and other microbes.”

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Agion<sup>®</sup> is a registered trademark of Agion Technologies Inc.



### UHS AMBULATORY - NEW YORK

- 1) Stainless Steel Construction
- 2) Aluminum Framed Doors
- 3) Mobile Tall Cabinet



# installation photos





**WILSON MEMORIAL PHARMACY - NEW YORK**

- 1) Powder Coated Steel Construction
- 2) HPL Fronts/Panels/Trespa® Work Surfaces
- 3) USP 797 Compliant



# installation photos



Timothy Andrews © 2010

Additional Installations







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