Pallets

US Industry Study with Forecasts for 2015 & 2020

Study #2766 | May 2766 | $4800 | 269 pages
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#### INDUSTRY STRUCTURE

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The dominant manufacturing market will be supported by continued recognition of the suitability of pallets as an inexpensive way of shipping and hauling goods while avoiding product damage.

US demand to rise 6.1% annually through 2015

US demand for pallets is forecast to rise 6.1 percent per year to 1.3 billion pallets in 2015, valued at $15 billion. This pace will represent a dramatic turnaround from the 2005-2010 period, when demand fell to fewer than one billion pallets in response to a decline in manufacturing output between 2007 and 2009 and a partial rebound in 2010. Through 2015, demand gains will be driven by an expected advance in manufacturing from the low 2010 base.

Manufacturing to remain dominant market

Manufacturing will continue to account for the largest share of pallet demand, totaling 75 percent of the market in 2015. Demand will be supported by continued recognition of the suitability of pallets as an inexpensive way of shipping and hauling goods while avoiding product damage. Providers of warehousing services -- such as pallet management services and pallet pools -- will post 2.5 percent annual gains in pallet demand through 2015. These companies, which manage pallets and coordinate the shipping and handling of materials from original manufacturer to end user, will purchase new pallets and expand their pallet refurbishing operations to add to their pallet stocks and more effectively serve existing customers.

Refurbished wood pallets to remain largest segment

Pallets made from wood -- primarily lumber -- will continue to account for nearly 95 percent of the US pallet market. Demand will be driven by the new pallet market, as manufacturers’ shipments rebound and more pallets are needed to ship and haul products. However, refurbished wood pallets, which accounted for 65 percent of the wood pallet market in 2010, will continue to lead the market in 2015. Pallet refurbishing firms, which repair damaged and worn pallets, will see more demand for their services, as it is often more economical to repair an existing pallet than to purchase a new one. Environmental concerns will also boost demand for refurbished pallets, as less wood is required to repair a pallet than to construct a new one.

Plastic pallet demand is projected to advance at a double-digit pace through 2015. Demand will be driven by consumer interest in the use of plastic pallets because of their performance qualities. Plastic pallets resist damage caused by wear and tear and can last a long time without requiring repair. They are resistant to contamination caused by bacteria and other pathogens, and can be cleaned easily. Plastic pallets are also seen as being environmentally friendly, as they can be recycled.

Copyright 2011 The Freedonia Group, Inc.
Demand for lumber by the US pallet industry is forecast to grow 5.9 percent annually to 17.9 billion square feet in 2015. Demand is linked to growth in new lumber pallet production, which is forecast for lumber raw materials. Lumber will continue to be the largest share of demand because of its low cost, accessibility and performance characteristics, such as durability and wear and tear resistance, and ease of handling. Lumber is easy to work with and even minimally trained workers using simple hand tools can assemble or repair lumber pallets. This is an advantage in the pallet industry, which generally offers low profit margins. More rapid growth in lumber demand will be checked by increasing use of pallet repair and refurbishing services and rising plastic pallets demand.

Both hardwood and softwood lumber are used to make pallets. Hardwood lumber is the predominant lumber type, as hardwoods offer better performance qualities, such as the ability to withstand heavy loads and damages caused by wear and tear. Medium- and high-density hardwoods are generally preferred for use as pallet lumber. These wood types include eastern red and white oak; hickory; yellow and sweet birch; sugar, black and red maple; green and white ash; rock and slippery elm; beech; and dogwood. Medium- and high-density hardwoods are ideal for pallets, as they offer strength, stiffness and long-term durability. Low-density hardwoods, such as red alder, aspen, buckeye, butternut, cottonwood and catalpa, are also used as pallet lumber, depending on cost and availability.

Softwood lumber, especially those types that are equal in strength and stiffness, is also used to produce pallets. These varieties include Douglas and other firs, hemlock, spruce and pine. Of the softwood varieties, Douglas fir and Southern yellow pine are most...
COMPANY PROFILES

Fabri-Form Corporation
200 South Friendship Drive
New Concord, OH 43762
740-826-5000
http://www.fabri-form.com

Annual Sales: $60 million (verified by company, 4/11)
Employment: 225 (verified by company, 4/11)

Key Products:

- Fabri-Form is a manufacturer of thermoformed transport packaging and precision components. The Company is privately held.

The Company is involved in the US pallet industry through the manufacture of plastic pallets for material handling applications in the grocery, automotive, industrial and medical markets. Fabri-Form’s plastic pallets include nestable, conveyable, reinforced, mirror-image, one-time export and quarter-sized rackable types. A representative product is the Company’s 40-inch-by-48-inch nestable grocery pallet, which offers space savings. The product, which is made from 100-percent recyclable high density polyethylene, can be used more than 100 times prior to replacement. Fabri-Form’s nestable grocery pallet can handle a load of up to 2,000 pounds without deflection.

Fabri-Form also makes pallets and other products sold under the SOLUTIONS brand name. SOLUTIONS-branded products include STACKERBOARD stackable pallets, which are made from 100-percent recyclable high density polyethylene. These 40-inch-by-48-inch pallets feature nine-leg location pockets and recessed banding areas, and enable stable double- or triple-stacking of uneven, odd-shaped or lightweight products. STACKERBOARD pallets are utilized in the

Table IV-9
PLASTIC PALLET STOCK, SUPPLY & DEMAND
(million pallets)

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“Demand for pallets in the Midwest is projected to rise 5.5 percent per year to 320 million pallets in 2015. Advances will be driven by the expected rebound in the region’s manufacturing and warehousing value-added expenditures as the US economy recovers from the 2007-2009 recession. Such industries as automobile and aftermarket parts manufacturing, metal products, and industrial machinery will see growth, as consumer demand for automobiles, appliances and other products rises.”

---Section VI, pg. 179
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Rigid Bulk Packaging

Demand for rigid bulk packaging in the US is projected to advance 4.3 percent annually through 2015. Material handling containers and RIBCs will be the fastest growing types. Drums will remain the largest segment, with growth accelerating based on a rebound in chemical output. Durable goods markets will outpace the dominant nondurables segment. This study analyzes the $5.4 billion US rigid bulk packaging industry, with forecasts for 2015 and 2020 by material, product and market. It also evaluates company market share and profiles industry players.

#2737 .................. February 2011 ................. $4900

Green Packaging

US demand for green packaging will rise 3.9 percent annually through 2014, outpacing growth in overall packaging demand. The fastest gains are anticipated for degradable packaging -- from a relatively small base -- and for plastic recycled content packaging. This study analyzes the $34 billion US market for recycled content, reusable and degradable packaging, with forecasts for 2014 and 2019 by material, product and market. It also discusses source reduction and recycling activity, details industry structure and profiles industry competitors.

#2721 ............... January 2011 ............... $5100

World Protective Packaging

World demand for protective packaging will rise 7.8 percent per year through 2014. Advances will be stimulated by an upswing in manufacturing activity and the continued proliferation of Internet shopping. The US will remain the largest national market while China grows the fastest. This study analyzes the $15.3 billion world protective packaging industry, with forecasts for 2014 and 2019 by product, material, function, market, world region and for 24 countries. It also evaluates company market share and profiles industry participants.

#2651 ............... June 2010 ..................... $5800

Corrugated & Paperboard Boxes

US corrugated and paperboard box demand will rise 2.4 percent yearly through 2014. Gains will be driven in part by higher-value types with better graphics capabilities, including folding cartons and corrugated boxes. Internet-based shopping will also support box demand. Durable goods will be the fastest growing market. This study analyzes the $32.3 billion US corrugated and paperboard box industry, with forecasts for 2014 and 2019 by material, product and market. It also evaluates company market share and profiles industry players.

#2598 .................. March 2010 .................. $4800

World Protective Packaging

World demand for protective packaging will rise 5.8 percent yearly through 2015. Advances will be driven by growth in manufacturing activity, especially in key end-use industries such as chemicals and pharmaceuticals, and food and beverages. China and the US -- the two largest markets -- will account for nearly half of all value gains. This study analyzes the $42.3 billion world packaging industry, with forecasts for 2015 and 2020 by type, material, market, world region and for 18 countries. The study also evaluates company market share and profiles industry players.

#2764 ............... May 2011 ................... $6100

### About The Freedonia Group

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- Plastics
- Life Sciences
- Packaging
- Building Materials
- Security
- Electronics
- Industrial Components & Equipment
- Automotive & Transportation Equipment
- Household Goods
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