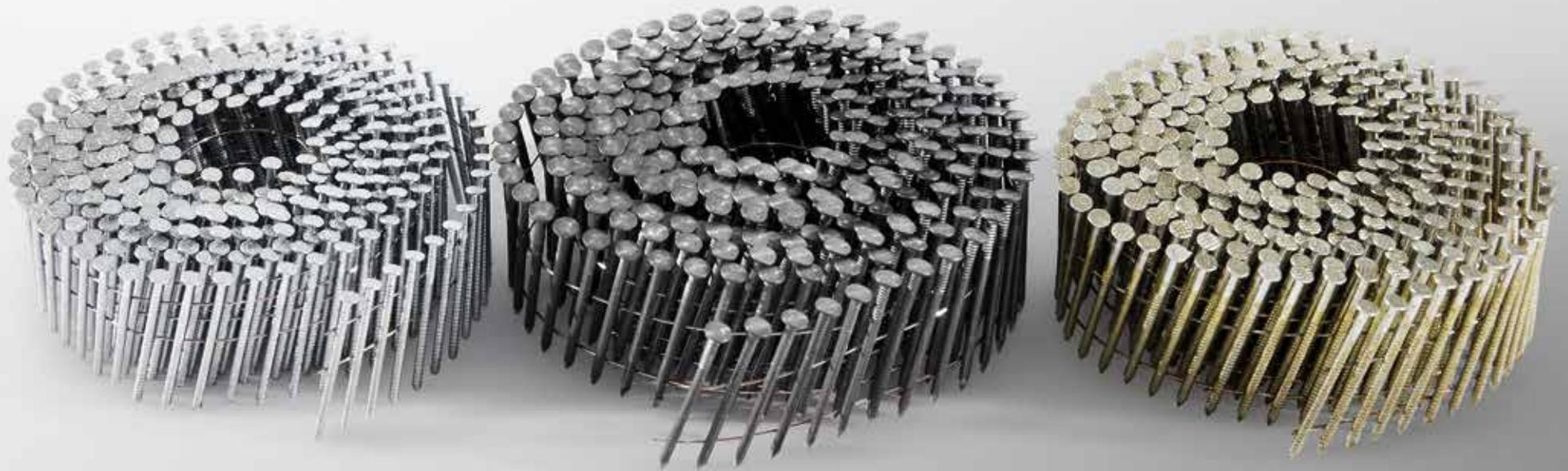




LitNaglis

Your success defines our success



An aerial, grayscale photograph of a large industrial facility. The facility consists of several large, interconnected buildings with flat roofs. In the foreground and middle ground, there are extensive stacks of pipes or tubes, organized in neat rows. A parking lot filled with cars is visible in the lower-left quadrant. The background shows a flat, open landscape with some trees and a few smaller buildings. The overall scene is industrial and well-organized.

**At LITNAGLIS we take
pride in our work.**

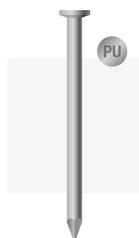
We always strive to deliver the top quality products and set the highest standards in service and reliability for our clients.



CONTENT

BULK NAILS. EPAL	2
BULK NAILS. COMMON / DUPLEX	3
WIRE COLLATED NAILS. FLAT COIL	4
WIRE COLLATED NAILS. CONICAL COIL / HI-LOAD	5
PAPER TAPE COLLATED NAILS	6
PLASTIC STRIP COLLATED NAILS	7
PLASTIC COIL COLLATED NAILS	8
PAPER TAPE COLLATED NAILS (D-HEAD / OFFSET)	9
WIRE PRODUCTS	10
NAIL FINISHING TYPES	11
TECHNICAL PROPERTIES OF NAILS	12
PACKAGING AND DELIVERY	13
CERTIFICATES AND ASSOCIATIONS	14
COMPANY TIMELINE	15
WHY CHOOSE US	16

Bulk Nails



EPAL nails

We are a certified manufacturer of EPAL nails. EPAL nails are used to make and repair wooden euro pallets. EPAL pallets comply with a common European standard and are used worldwide.

Nail shank type:



Nail cutting point type:



Nail finishing type:



Ø, mm	Length, mm	Shank	Point	EPAL marking
2,5	54	Lygi	Clinch	PK
2,8	54	Lygi	Diamond	PU
2,8-3,2	40	Ring	Diamond	PF
3,0-3,2	40	Ring	Diamond	PL
3,3-3,6	70	Ring	Diamond	PW
3,3-3,6	90	Ring	Diamond	PX
3,4-3,6	70	Ring	Diamond	PH
3,4-3,6	90	Ring	Diamond	PG
3,6-4,2	40	Ring	Diamond	PN
3,6-4,2	70	Ring	Diamond	PJ
3,6-4,2	90	Ring	Diamond	PI



Common nails

Common nails are used for various construction works and fastening of various wooden structures.

Nail shank type:



Nail cutting point type:



Nail finishing type:



Designation	Length	Shank diameter	Head diameter	Approx number per lbs	Screw	Ring	Smooth
6D	2"	.113"	.266"	170	+	+	+
8D	2-1/2"	.131"	.281"	100	+	+	+
10D	3"	.148"	.312"	65	+	+	+
16D	3-1/2"	.162"	.344"	50	+	+	+
20D	4"	.192"	.406"	30	+	+	+
30D	4-1/2"	.207"	.438"	20	+	+	+

Other nail sizes, point, top and shank modifications are available upon request.



Duplex nails

A duplex nail is a two-headed nail. Such nails are used for temporary construction where nail removal is required: installing formwork, forming foundations or fixing scaffolding. The nail is hammered only to the first head leaving a gap with the second so the nail can be easily removed using a hammer.

Nail shank type:



Nail cutting point type:



Nail finishing type:



Designation	Length under lower head	Approx. number per lbs.	Shank	Shank diameter	Head diameter	Head distance
6D	1-3/4"	156	Smooth	.113"	0.2188"	0.25
8D	2-1/4"	90	Smooth	.131"	0.2813"	0.25
10D	2-3/4"	59	Smooth	.148"	0.3125"	0.3125
12D	2-7/8"	57	Smooth	.148"	0.3125"	0.3125
16D	3"	45	Smooth	.162"	0.3438"	0.375

Other nail sizes, point, top and shank modifications are available upon request.

Wire Collated Nails



Under angle 16°

Flat coil nails

The surface of such a coil is flat. The main difference between flat and conical coils is that nail guns tend to take either flat or conical coils.

Nail shank type:



Nail cutting point type:



Nail finishing type:



Length	Shank diameter	Screw	Ring	Smooth
1-1/4" up to 1-3/4"	.080"	+	+	+
	.084"	+	+	+
	.086"	+	+	+
	.090"	+	+	+
	.092"	+	+	+
1-3/4" up to 4"	.094"	+	+	+
	.099"	+	+	+
	.113"	+	+	+
	.120"	+	+	+
	.131"	+	+	+
	.148"	+	+	+
	.162"	+	+	+

Other nail sizes, point, top and shank modifications are available upon request.



Conical coil nails

In such a coil the nails are layered from the outside of the coil to its center to form a cone.

Under angle 16°

Nail shank type:



Nail cutting point type:



Nail finishing type:



Hi-Load nails

Mostly Hi-Load nails are manufactured in a flat coil with a plastic axle and paper cover. On smaller Hi-Load coils, the cover and axle are not used. Hi-Load nails are used in automatic pallet forging machines. In such coils, the number of nails may range from 450 to 3000 nails per coil.

Under angle 16°

Nail shank type:



Nail cutting point type:



Nail finishing type:



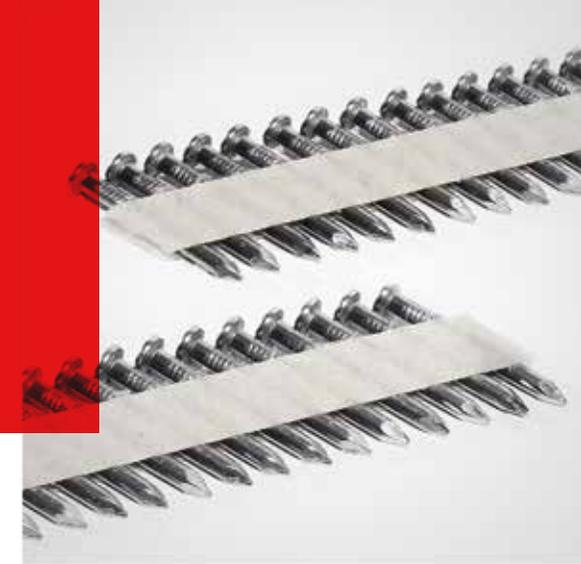
Length	Shank diameter	Screw	Ring	Smooth
1"	0.083"	+	+	+
up to 2-3/8"	0.091"	+	+	+

Other nail sizes, point, top and shank modifications are available upon request.

Length	Shank diameter	Nails per coil	Screw	Ring	Smooth
1-1/4" up to 1-3/4"	.080"	450-3000	+	+	+
	.084"	450-3000	+	+	+
	.086"	450-3000	+	+	+
	.090"	450-3000	+	+	+
	.092"	450-3000	+	+	+
1-3/4" up to 4"	.094"	450-3000	+	+	+
	.099"	450-3000	+	+	+
	.113"	450-3000	+	+	+
	.120"	450-3000	+	+	+
	.131"	450-3000	+	+	+
	.148"	450-3000	+	+	+
	.162"	450-3000	+	+	+

Other nail sizes, point, top and shank modifications are available upon request.

Paper Tape Collated Nails



Under angle 34°

Such nails are held together with a strip of paper. It is worth noting that nail guns with such nails jam much less frequently as paper and nails fold directly into the wood. In addition, the working environment can be cleaned much easier and faster, since no paper scraps are left.

Nail shank type:



Nail cutting point type:



Nail finishing type:



Length	Shank diameter	Nails per strip	Screw	Ring	Smooth
1-1/2"	0.131"	22-28	+	+	+
up to 2-1/2"	0.148"	22-28	+	+	+
	0.162"	22-28	+	+	+

Other nail sizes, point, top and shank modifications are available upon request.

Plastic Strip Collated Nails



Under angle 21°

Plastic strip collated nails are held together with a plastic strip that breaks when nails are shot from the nail gun. Plastic strips are well known for their durability. The nails easily fit into the nail gun and are very easy to transport.

Nail shank type:



Nail cutting point type:



Nail finishing type:



Length	Shank diameter	Nails per strip	Screw	Ring	Smooth
2" up to 3-1/2"	0.99"	20-30	+	+	+
	0.113"	20-30	+	+	+
	0.120"	20-30	+	+	+
	0.131"	20-30	+	+	+
	0.148"	20-30	+	+	+

Other nail sizes, point, top and shank modifications are available upon request.

Plastic Coil Collated Nails



Under angle 15°

Nails in a plastic coil are most commonly used for outdoor work. During nailing, the nails are easily detached from the plastic strip connecting them, so the direction of nailing remains unchanged. Working with such nails becomes much simpler and cleaner because there are no extra scraps from the plastic left. Such a coil can typically hold from 50 to 300 nails; nails in such a coil can be under angle 0° or 15°, counterclockwise or clockwise.

Nail shank type:



Nail cutting point type:



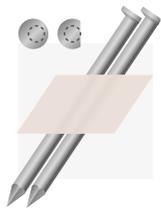
Nail finishing type:



Ø	Length	Screw	Ring	Smooth
.058" - .162"	5/8" - .5"	+	+	+

Other nail sizes, point, top and shank modifications are available upon request.

Paper Tape Collated Nails (D-head / Offset)



Under angle 34°

Nails with a D-shaped / Offset head are joined by a strip of paper. Such nails are designed for outdoor use, such as framing or terrace decking. Gluing nails without gaps allows you to have more of them in one strip (the strip can hold from 20 to 40 nails). This type of nail connection ensures even more convenient work with a nailgun.

Nail shank type:



Nail cutting point type:



Nail finishing type:



Ø	Length	Screw	Ring	Smooth
0.099" - 0.162"	1-1/4" - 4"	-	+	+

Other nail sizes, point, top and shank modifications are available upon request.

Wire Products



Our company can offer low and high carbon steel wire for nail making from 2 to 5 mm in thickness.

After obtaining a special wire polishing system we can offer a perfectly smooth, polished wire in coils without any residues. Our cleaning method is entirely environmentally friendly. In the process of cleaning no chemicals or acids are used. All the work is done by special cleaning heads. After cleaning and polishing the wire is fully prepared for further processing and coating.

We can offer the following wire rod for various applications:

Steel grade	SAE: 1006, 1008, 1012, 1018, 1022 also high carbon 1032
Wire rod diameter	.216", .236", .256", .315"
Coil weight	3300-4400 lbs

Nail Finishing Types



Bright (no coating)

Nails without any coating are used for interior work where the dry environment is more frequent, and the nails are not affected by any natural factors.



Vinyl coated

The vinyl reduces the friction between the nail and the wood, so the nail is hammered easier and faster. The heat generated from friction during nailing heats the vinyl coating which “sticks” to the wood. Such nails become much more resistant to traction force.



White galvanized

This method of coating the nails protects them from a variety of natural factors, so nails can be used to fasten outdoor structures.



Yellow / rainbow galvanized

This method of galvanizing is no different from white galvanizing. However, the characteristics and functions of the product are slightly better than those of white galvanizing because the zinc layer is slightly thicker.



Hot-dip galvanized

Our company produces nails from hot-dip galvanized wire, making additional galvanizing of nails unnecessary. The zinc layer of hot-dip galvanized steel products are significantly thicker than normal, making them even more resistant to corrosion.



Environmentally friendly process

Galvanized steel is one of the most environmentally friendly building materials on the market. Whether we evaluate it from the point of view of production, product life cycle, or reusability, not all materials can match the characteristics of galvanized steel, especially in terms of environmental sustainability. Our automatic machines are economical and efficient, WIGAL steam absorbers and wastewater treatment plants prevent harmful substances from entering the environment.

Technical Properties of Nails



Nail shank types

-  Most nails have a smooth shank. The nail with such a shank is hammered with the least resistance.
-  A nail with such a shank creates a "locking" effect. This means that the hammered nail locks in place.
-  Nails with such a shank are more suitable for working with hardwood. Such a shank reduces the probability of wood splitting because the hammered nail rotates like a screw and spreads it to the sides without tearing the wood fibers.

Nail cutting point types

-  The diamond nail point is the most widely used. When the nail is hammered, such a point fits into the wood much more easily.
-  Clinch point nails are used to produce wooden pallets. A clinch point rests on a metal sole and bends easily (takes the shape of a hook). In this way, the nail "locks" and makes it much more difficult to pull it out.
-  The blunt point prevents the wood from splitting if the nail is hammered close to the edge of the board. The blunt nail point pierces the wood fibers, while the diamond nail point operates on the wedge principle and can easily crack the wood.

Packaging & Delivery

Wire collated nails packaging

USA standard 4-way pallets



2500-18000 pcs
according to the nail dimensions



28/35/42/49/56 boxes
on a pallet

36 boxes
of Hi-Load nails on a pallet

Bulk nails packaging

USA standard 4-way pallets



1100-2200 lbs
big carton box



1 box
on a pallet



50 lbs
small carton box



48 boxes
on a pallet

Nails can be packed in unlabeled carton boxes or carton boxes with our logo.

On request, individually selected logos, texts or other graphics may be printed on the packaging.

Other packaging options are available upon request.



Delivery

Our company undertakes to deliver the goods to the specified location (in other words "door-to-door"). The transportation of goods by sea or land is available.

We can deliver the goods in curtain side trailers, refrigerators or containers.

Also, on request, we can provide customs clearance and other document preparation services as we value our customers and respect their precious time. When transporting the goods, we always choose those partners who are able to deliver our products quickly and at competitive prices.

Certificates & Associations



STAFDA
Specialty Tools & Fasteners
Distributors Association



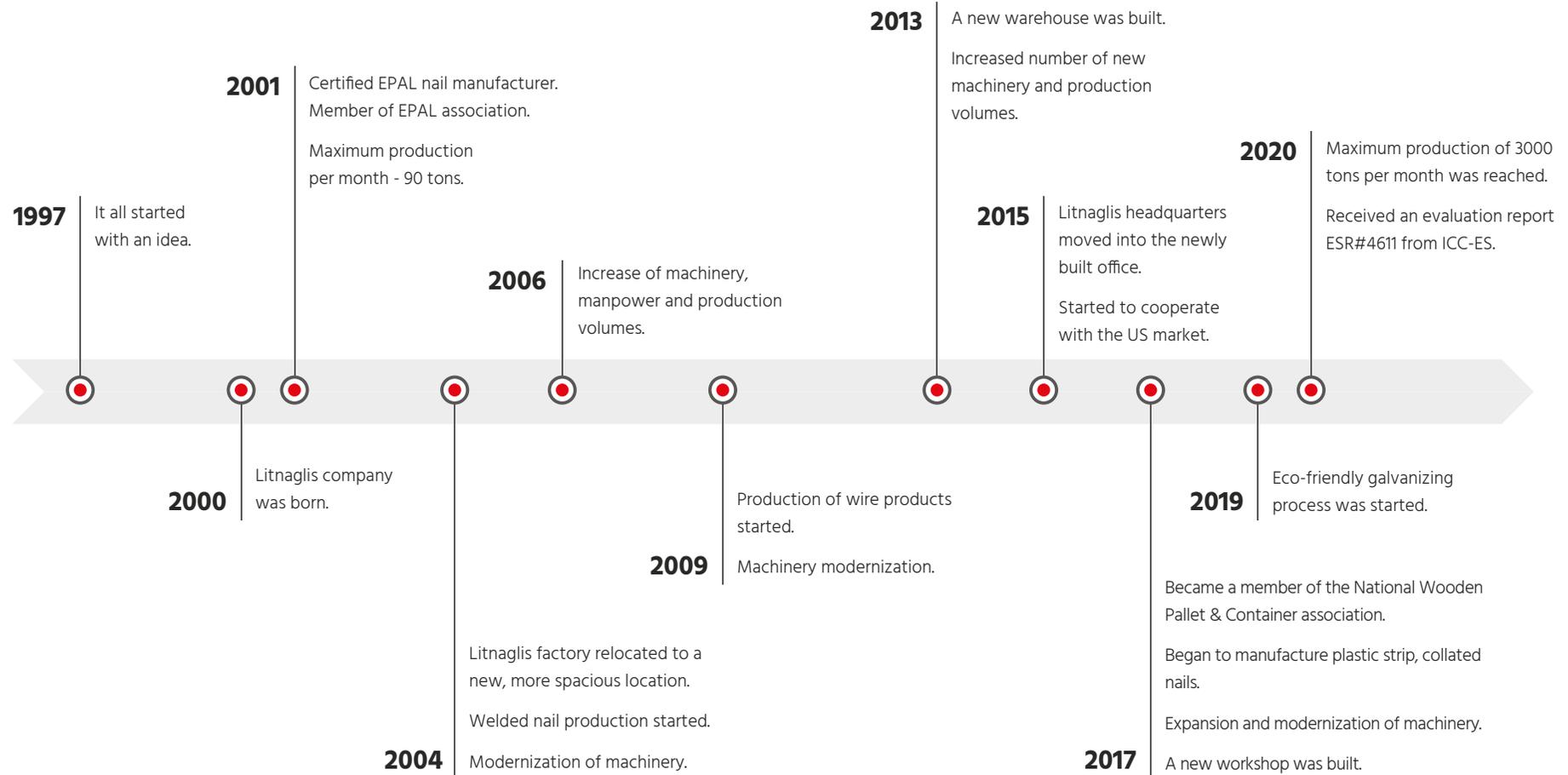
EPAL
The European Pallet Association



PALLETS MOVE THE WORLD
National Wooden Pallet &
Container Association



Company Timeline



Why Choose Us



21 years of experience
in the nail manufacturing
industry



Convenient location.
60 km from
Klaipėda port



New and modern
manufacturing
equipment



3000 tons of production
per month



Manufacturing from
18 000 to 31 000 nails
per minute



High quality certified
products



Environmentally
friendly manufacturing
processes



More than 200 various
professions of workers



Electricity from
renewable energy
sources



A personal manager to
assist you

Become Our Partner



   in @litnaglis

JSC Litnaglis

Žlibinų rd. 8, Glaužiai LT-90107 Plungės dist., Lithuania

Tel: +370 448 53737

Fax: +370 448 53744

info@litnaglis.com

WWW.LITNAGLIS.COM