

# Pipe Joint System

Modular Lean manufacturing Framing System



**Newton**  
PipeJointSystem



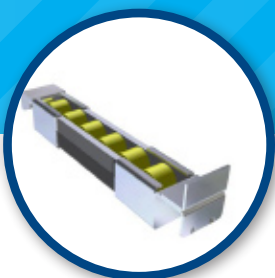
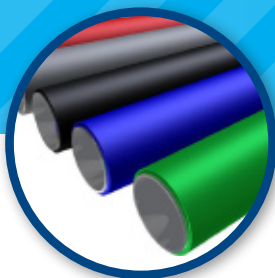
# Newton Pipe Joint System

The Pipe Joint System is a modular framing system, which consists of pipes, joints and accessories. There is a large product range available, which makes this system very suitable for all kinds of Lean solutions.

The Pipe Joint System can be applied for:

- Transport: Transport carts, supply-systems.
- Storage: Lean manufacturing supermarkets and flowracks.
- Workstations: Assembly stations and packing stations.
- Safety: Safety enclosures, guard systems, room partitioning elements

The components are made for Lean Manufacturing and are completely reusable and therefore a perfect solution for environments where Kaizen (continual improvement) is applied.



## The pipe

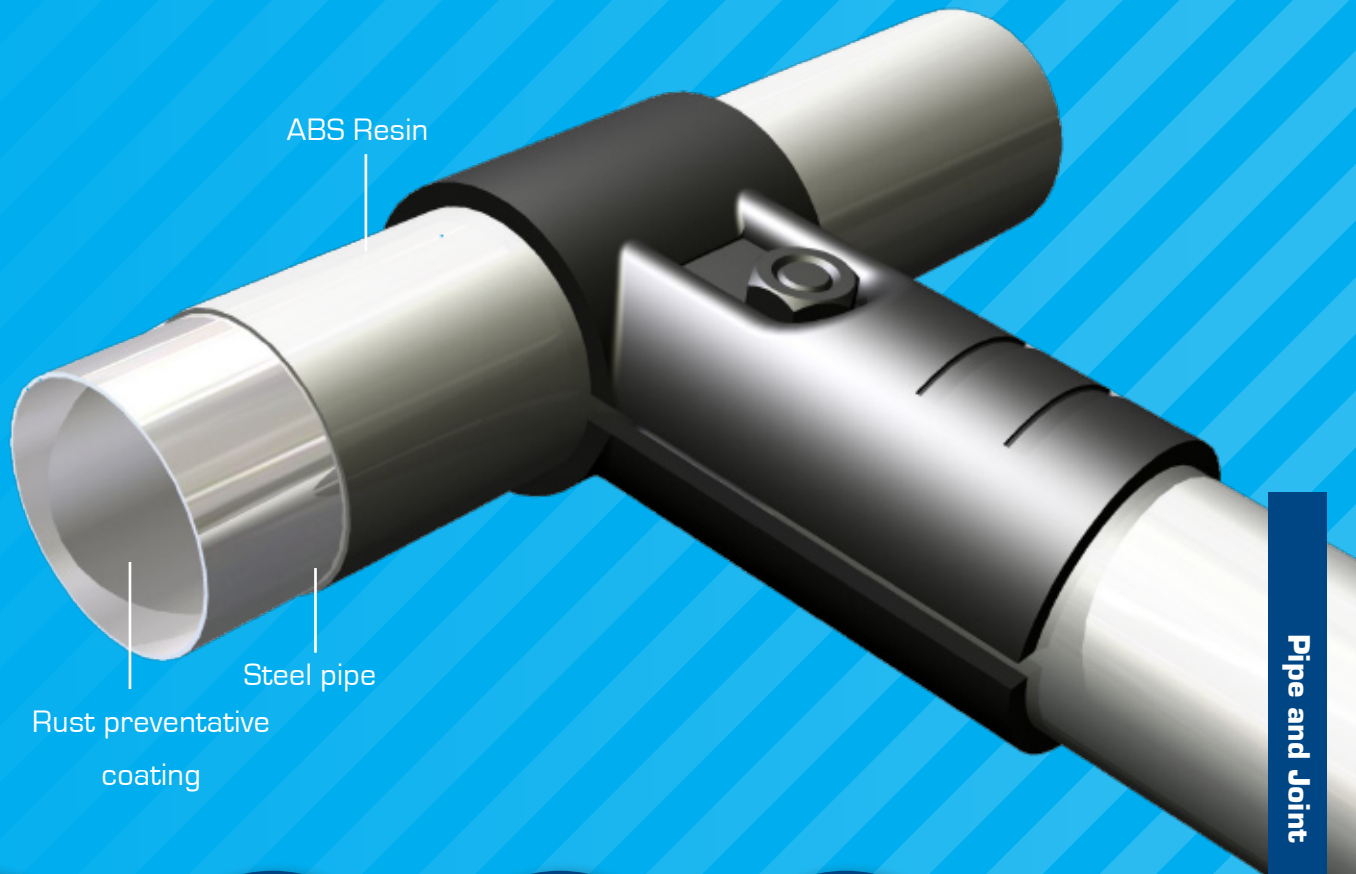
The standardized pipes have a diameter of 28mm. The pipe is built up from a steel pipe with a rust preventative coating on the inside and an ABS coating on the outside.

The plastic coating provides the pipe with a nice finish, optimizes the strength of the pipe and the clamping force. The plastic coating protects the pipe as well as your product. The pipes are available in different colours.

The standard pipe thickness for general applications is 1 mm. For heavy applications, there is also a thickness of 2mm available.



Safety enclosure



Pipe and Joint



Also available are stainless steel pipes without coating. These are especially suitable to create a nice modern look, or for applications outside, in hygienic environments or in case of regular re-use of the pipes.

The pipes can be delivered in standard lengths of 4 meters or can be cut to the required length.

### The joint

With the joints of the Newton Pipe Joint system, you can realise many ideas. The joints connect the pipes with each other: angled, parallel, hinged, anything is possible. Without any special tools you can clamp the pipe in the joint and fasten the bolt.

The joints are available in black and nickel plated.



Transport cart

# Flexible and fast

Flexibility and speed are for many companies important factors to optimise quality, to stay competitive and to achieve more with the team.

Newton offers an effective range of pipes, joints and accessories. Everything is made to shorten the time from design to working solution. You will save time!

With the Newton Pipe Joint system you:

- Improve your productivity
- Save space
- Improve labour conditions
- Kaizen: very quick adaption to changing processes.
- Lean: completely reusable
- Work cost efficiently.
- Can start directly with creating solutions



## Compatible

The Newton Pipe Joint System is compatible with most other pipe joint systems.

Establish flexible and quickly...

## Know How

Newton has over 15 years of experience in Lean Manufacturing and modular systems.

In these years we have delivered projects to small companies as well as multinationals in various branches and in various countries. The projects varied from just a couple of meters of pipe with few joints to completely assembled lean manufacturing solutions.

Our advisors and constructors know what is possible with the Pipe Joint System. They are capable of analyzing the situation and translating this to a lean solution.

Newton has a workshop with the right equipment and our engineers can create a neat and efficient assembly.

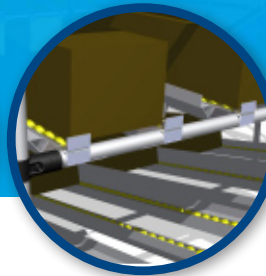
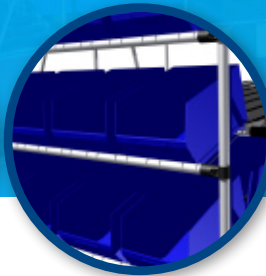
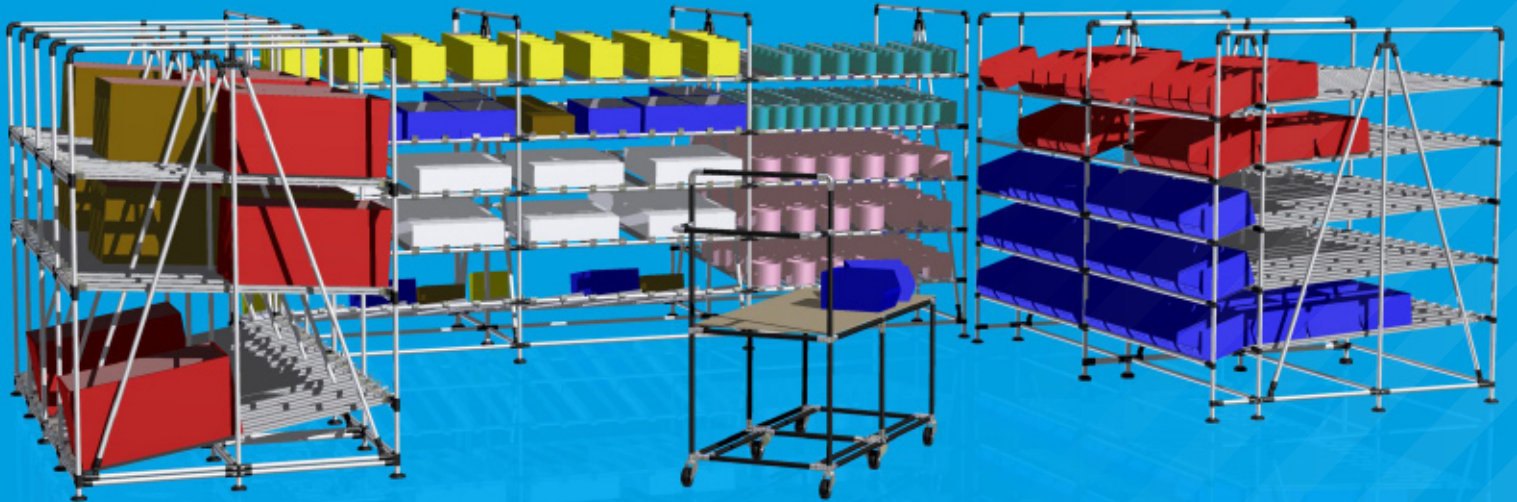
Of course we also offer assembly at location in case you prefer this.

Newton has the knowledge and experience you can benefit from...

## A wide product range

Our system has a wide range of pipes, joints, tracks, accessories, casters, hinges etcetera. There are components available made of powder coated or nickel plated steel or stainless steel.

The pipes and accessories are standardized, so specific constructions can be created quickly with standard components.



## Applications

The applications of the Pipe Joint System are almost infinite. The system can be used to create transport carts, supply-systems, lean manufacturing supermarkets and flowracks, assembly stations, packing stations, safety enclosures and room partitioning elements.

The Pipe Joint system can be applied in your workshop, production hall, storage space, distribution centre, packaging space, office, lab, workspace or exhibition stand. Your imagination defines the possibilities of the Newton Pipe Joint system.

## Procedures

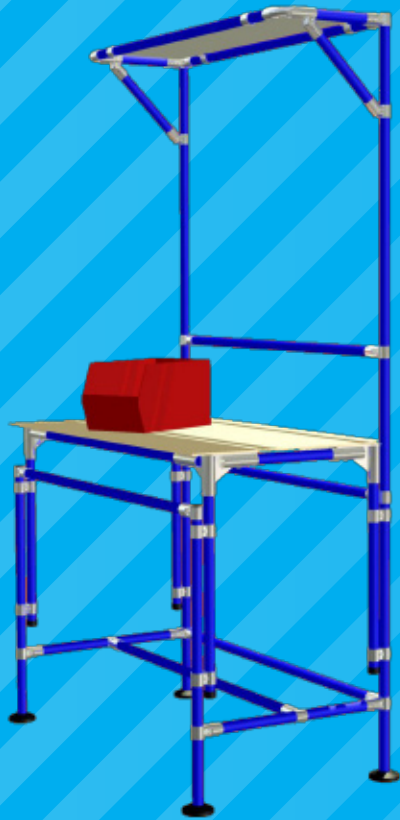
There are different procedures that can be applied to the Newton Pipe Joint system.

**Turn key:** Newton can develop a solution together with you. We develop, create a 3d cad drawing and assemble and install the solution at your location.

**Do-it-yourself:** If you have the possibility to start using the system by yourself, this can also be arranged. All the components are separately available and standard tools are all you need for assembly. It's just a matter of sketching, sawing and assembling. Newton will communicate the basic knowledge with you so you can start using the system in a safe way.



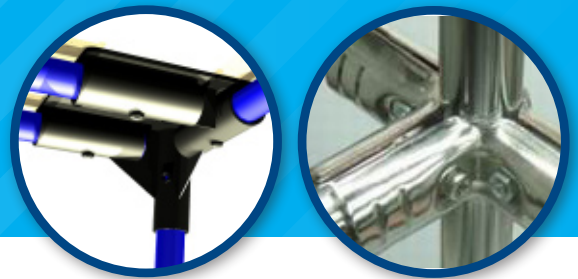
Pick flowrack



# Advantages

The Newton Pipe Joint System is widely applicable, modular, re-usable and easy to clean. With a basic do and don't list you can start using the system.

Due to the easy to use joints and accessories you will save time.



## Lean manufacturing

Many companies are consciously applying lean manufacturing. The philosophy aims to eliminate waste and other cases that do not add value ('Muda') and reduce variations in demands ('Muri') 'Muda' and 'Muri' have a positive effect on your company:

- Less variation in demands
- Less variation in the process
- A client focussed production with short delivery times and high client satisfaction.
- Reduction of circulating activa
- Lower production costs and improvement of productivity.

The Pipe Joint System aims to make it easy to apply the lean philosophy.

By applying the modular parts and reusing the materials, you will limit waste to a minimum.

## Save time

Newton offers you multiple possibilities to reduce the time between idea and realisation:

- Technical Advisors on the way to advice you.
- Office Sales and Engineering force to help turning your request into a good proposal.
- An online catalogue.
- A webshop with short delivery times.
- Delivery of stock items in one day in the Netherlands and Belgium.
- A CAD library to help you to design efficiently.

## Kaizen

Kaizen is the continuously improving company process. The Pipe Joint system is perfect for changing, expanding or reducing processes.

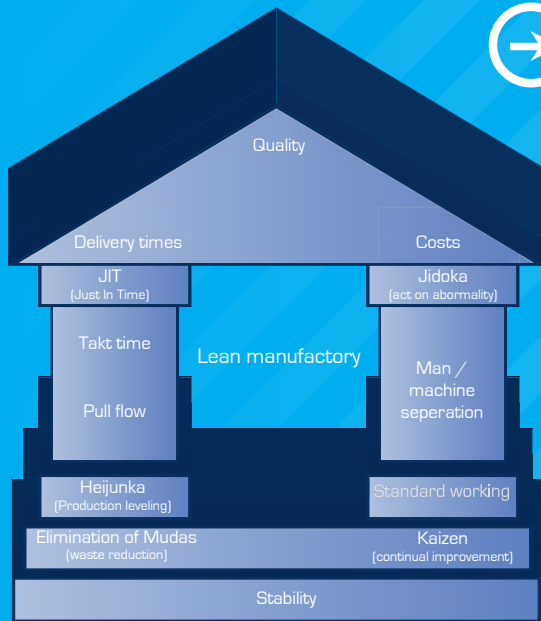
## Webshop

All components are available in the webshop:  
[www.pipejointshop.com](http://www.pipejointshop.com)

24 hours discount

Order online whenever you want and save costs

- Super discounts
- Ultimate order convenience
- Fast delivery



The Lean manufactory is a symbol used to explain the harmony in the Lean system. The foundation of the Lean manufactory is stability: stability of teams, strategies and standardisation.

The pedestal, which supports the whole factory, consists of 2 elements: Kaizen (continual improvement) and the elimination of Mudass (waste).

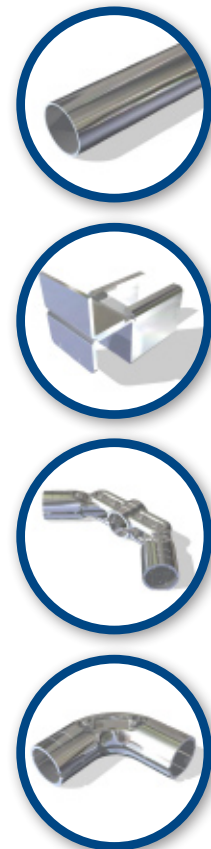
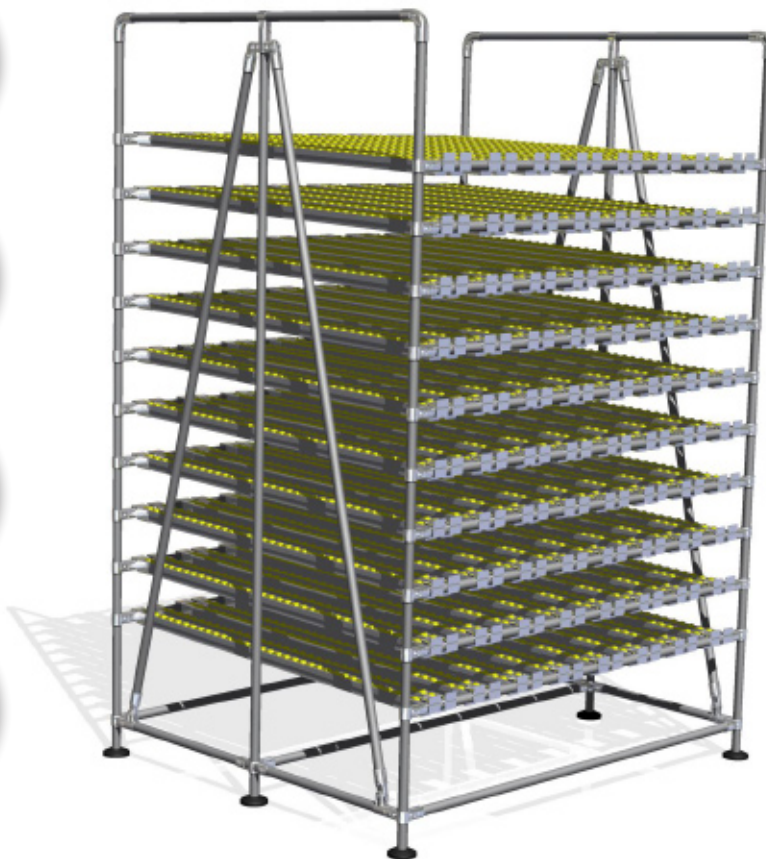
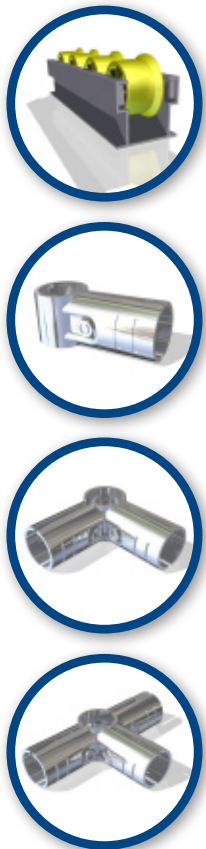
These two start up the whole system.

The elements Just In Time (stock control) and Jidoka (act on abnormality) support on:

Heijunka: improvement of the production process by production leveling, which consists of applying pull production and takt-time.

Standard working: react on abnormality. This is achieved by creating a clear separation between human tasks and automated tasks.

The system results in a reduction of costs, shorter delivery times (by reacting on the demand of client) and improvement of quality.



# The organisation

We like to cooperate with you to be able to offer the best solution, whether it is just a small project or a big project. Our company is client-focussed and flexible, the components are in stock and we are always able to help you as fast as possible. Both our office employees as our employees on the road have the practical experience to give you the right advice.

## Are you considering to apply the Pipe Joint system?

- **Are you considering to apply the Pipe Joint system?**
- **Do you already apply the Pipe Joint system and are you interested in comparing prices or compatible components?**

**Contact us now!**

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