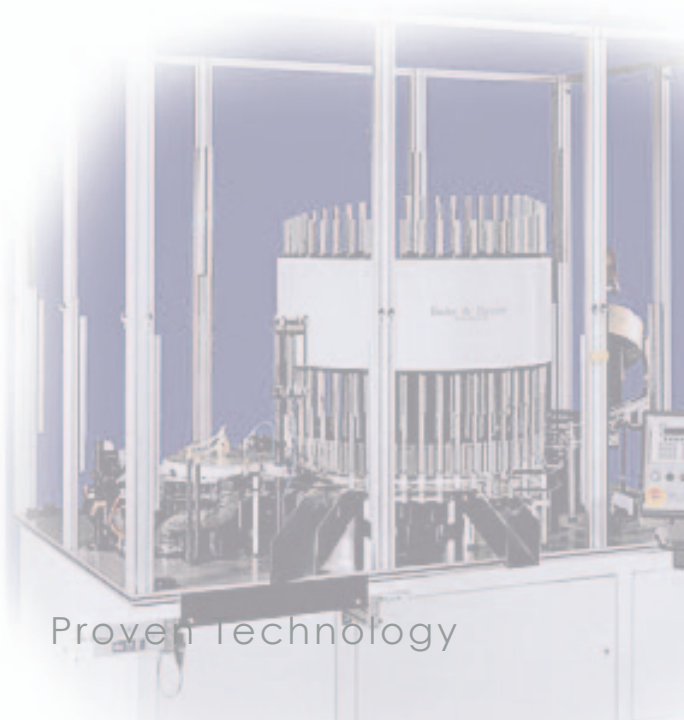


Would you like to produce the best
AD syringe available??



(On the fastest and most reliable equipment
you can get?)

DestroJect GmbH - your partner in
Technology Transfer



The first AD syringe in the world

In the mid 80'es, with the increasing spread of HIV among children in developing countries, the World Health Organization approached manufacturers of standard syringes to develop a so-called autodisable syringe - a syringe for immunization, which would render itself un-usable after one injection, and which could not be defeated by the health worker without the use of tools or excessive force. In 1989, Mr. Mohandes Bader applied for a patent for such a syringe, and in 1990 the syringe was field-tested in Pakistan and laboratory tested in Sweden. Shortly thereafter, the DestroJect syringe received the WHO approval as the first AD syringe in the world.

Proven Technology

The DestroJect autodisable syringe has been in production for more than 10 years, where it has played an important role in the Unicef immunization programmes with an outstanding track record of high quality and precise and sufficient deliveries.

The spread of HIV, Hepatitis C and other blood borne pathogens has become a major health problem in developing countries. The DestroJect syringe, being an autodisable syringe, minimizes this fatal risk.

The market for safety products undergoes a dramatic growth. Alone for the Unicef programmes, the need for autodisable syringes expects to reach 1 billion pieces by 2008.

DestroJect GmbH is now making this patented and proven product available for technology transfer. Our service ranges from simple patent-license agreements to fully turnkey supply of your complete facility, and anything in between.

Choosing DestroJect as your partner for Technology Transfer means an efficient and transparent planning phase, state-of-the-art equipment, professional realization of the project, and training of your key people at our facility in Neumünster.

The Principle

The DestroJect Syringe is designed to provide maximum safety for children receiving immunization injections, while maintaining the ease of use for the health care workers.

Whereas a normal syringe consists of a plunger and a cylinder, the DestroJect syringe has a small plastic ratchet that prevents the syringe from being filled more than once. By the attempt to withdraw the plunger a second time by force, the plunger brakes.

The syringes are supplied in a "hard-pack" without paper wrapping, which eases the medical preparation and minimizes waste, while maintaining sterility. The DestroJect syringe is suitable for production in 0,5 ml, 1 ml, 2/3 ml, 5 ml and 10 ml.

State of the Art facility

The DestroJect syringes are designed to be manufactured on high-speed equipment. These are the main technologies:

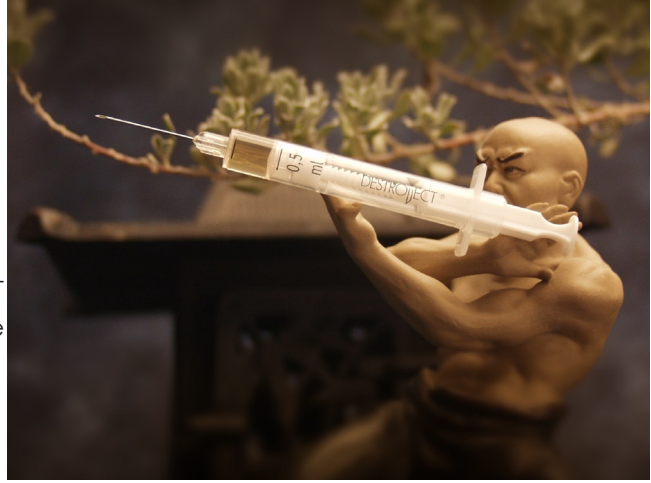
- “ Clean room manufacturing environment
- “ Plastic injection moulding of parts
- “ 360 degrees syringe cylinder printing
- “ Needle assembly/gluing
- “ Continuous motion high performance assembly
- “ On-line fully automated inspection and quality control of each part
- “ Packaging in bags of 100 and in cartons

These technologies are integrated into a streamlined manufacturing process that is proven to provide the greatest quality and the lowest costs. A maximum capacity of a total of 150.000.000 pieces per 1 production line, DestroJect GmbH offers the fastest AD syringe assembly line in the industry with over 500 pcs per minute. No other manufacturer has a more unique and developed assembly technology than DestroJect GmbH.

Annual capacity per line:

Minimum 35.000.000 pcs

Maximum 150.000.000 pcs



The Benefits

The four major benefits of the DestroJect syringe are:

- “ Highest level of autodisability (very difficult to defeat)
- “ Ease of use - no special instructions necessary - same steps as for normal syringes
- “ Very environmental friendly - no rubber or toxic plastic creating problems by incineration
- “ Easy to assemble and manufacture in high speed

Valuable Experience

Back in the late 1980's more than 300 patents for autodestruct syringes were applied for, and many patents were granted. However, for the past 10 years, there have only been two regular suppliers to Unicef, and Destroject is proud to be one of them. One thing is to supply syringes, another is to supply the technology to produce them. The team behind Destroject has a combined +50 years experience in syringe manufacturing and technology transfer, and has been involved in setting up syringe manufacturing units for standard syringes in 9 different countries.





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DESTROJECT
Medical Devices

Destroject GmbH
Medical Devices

Havelstraße 1 - 3
D-24539 Neumünster
Germany

Telephone +49 4321 840000
Telefax +49 4321 840022

info@destroject.com
www.destroject.com

DestroJect GmbH manufactures and supplies products that promote safe injection technology, developed to meet our customers' needs. We create and nurture a healthy, creative, respectful and fun office and workshop environment, in which employees are fairly compensated and encouraged to respect the customer and the quality in our products. We develop the best technology for manufacturing and supply an uncompromising quality in everything we do. We seek to be a financially healthy sustainable company.

