

Fourth #IMAwebinars2021 held on December 16

IMA S.p.A. held its fourth webinar this year on December 16. IMA has reached the final appointment of this difficult year full of challenges, but also of great opportunities.

With these premises, in the seminar IMA has decided to focus on a decidedly complex sector: denim and composite materials. What better challenge to show that, once again, IMA present and is always ready to improve, to look forward: #alwaysahead is its catchphrase.

Denim and composite materials, by their very nature, are fabrics that are complicated to treat: textures that contain various pitfalls for those who, like IMA, produce highly technological machinery. Also due to the pandemic, IMA has therefore tried to invest our know-how in different sectors, in order to find proper solutions also through the development and research of specific software.

The details of the seminar presentation are introduced below.



Speech by Ms. Mirella Sardini – President

Good morning everyone, and welcome to the last appointment of the #imawebinars2021 series.

This is the fourth seminar of this year, I would say, still difficult enough, but certainly also full of challenges.

I'm glad it takes place at the end of the year because I'm really happy to be able to wish you Happy Holidays in person. Which is not something to be taken for granted in this period.

It's also an opportunity to launch a new hashtag for next year, since 2022 marks 45 years of activity at IMA, so we think #45yearsasprotagonists is the most appropriate slogan for the



year to come. We also think that this is a good opportunity to underline our long experience in the Cutting Room. It's not 50 years yet, but given the situation we like to give once again a message of great positivity to celebrate with you a goal that is actually a moment of transition between the 40 and 50 years of the company.

As I pointed out, we have reached the last appointment of the 2021 series of seminars, which will certainly continue in 2022, given the success of the format.

This time we decided to focus on a definitely complex sector: denim and composite materials. But as usual, IMA is there and is always ready to improve, to look ahead, so even in this area we have studied and found appropriate solutions through development and research on specific software and hardware.

I'll keep it short and leave the floor to Mr. Gaetano Nicolaci, one of our sales managers, to get to the core of the matter.

I wish you a fruitful webinar and see you later for the final greetings.



Speech by Mr. Gaetano Nicolaci – Area Sales Manager

Good morning everyone and welcome to the fourth IMA Webinar2021. IMA, in its first 45 years of life, has always stood out for its great desire to innovate and push its limits. It is for this reason that we decided to include in the same meeting the production of denim and composite fabrics. These 2 textile sectors are apparently very different, but have in common a great complexity in the production phase, especially in the cutting room. IMA, in recent years, has developed and implemented many technical specifications applied throughout the processing cycle, which have allowed our customers to increase productivity, while maintaining the quality of the product, also allowing us to be able to lay and cut materials unthinkable until recent times.

Composite fabrics are bringing a real revolution in all production sectors and are characterized by great strength, lightness and versatility, features that require specifically developed machines and specifications.

Thanks to this effort, IMA is now present in many new sectors: from the nautical industry to the aeronautical one, from the production of industrial filters to the cutting of thermal and acoustic insulation materials.

Thank you for your attention, now I leave the floor to our cad system manager.



Speech by Mr. Giacomo Carbonari – Responsible for CAD System

Our customers in the denim and composite industries traditionally have very different needs for pattern-making software. MAXIMA is able to meet the needs of both productions thanks to its completeness in every aspect, from pattern design to pattern placing.

Denim companies are always looking for maximum efficiency in marker-making. These production are always characterized by very long markers. For this reason, every single decimal of efficiency gained thanks to the multicore nesting algorithm, translates at the end of the year in hundreds of meters of fabric saved. MAXIMA's automatic marker nesting software is one of the most efficient and time-efficient on the market.

On the other hand, the productions of companies operating in the composites sector are characterized by simple shapes and often without a size plan. In this regard, one of the needs most requested by our customers in these sectors, consists in being able to import into the CAD files coming from other industrial design programs such as Autocad. With Maxima this is possible thanks to the importer developed ad hoc, in addition to all the other importers present, for reading the models in their native format.

Now I leave the floor to Donato who will tell you about our machines.



Speech by Mr. Donato Bruno – Head of customer service and R&D dept.

Currently, denim fabrics are characterized by the traditional strength of the material, combined with a great elasticity dictated by the trends of the moment. These aspects require great performances of the automatic cutting machine, but also a spreading that must be done without changing the tension of the fabric.

Both types of production are always characterized by very high figures and very stressed machines during the entire processing cycle.

Starting from the loading of the piece, we have developed 2 types of loaders:

- 805 is the inclined multiple loader for the loading of heavy pieces up to a maximum of 400kg. The solid metal structure is equipped with a motorized lifting system that by means of special curved supports mounted on the chain, lifts the roll of fabric up to the cradle of the spreader. The operator controls the movement by means of a special remote control.
- 808 is the carousel for the automatic change of pieces on spreaders, available in 3 versions with or without rear plans for the preloading and unloading of pieces. The load capacity is 200 kg and version 10 is equipped with the self-feeding system, patented by IMA, with double loading and unloading table with sequences up to 8 pieces. In this way the rolls will be loaded on the machine and laid in an automatic way avoiding waste of time and ensuring the management of the spreading to a single operator.

Laying has always been the distinctive feature of IMA:

- The 890 H version is the perfect machine for denim producers. It is built maintaining all the hardware and software specifications of the other machines, to which we have added a much more robust structure, allowing the spreading of even the heaviest pieces of denim. There is also an optional feature for the drafting of the folded packs. It is a standard element without pliers but is available with the



optional feature at the request of the customer.

- As for composite fabrics we have studied an evolution of the model B.
- To all the specifications already present, we have added others to ensure the highest quality and efficiency in spreading. Some of these are: the double motor in the cutter to cut even the most rigid material such as carbon fiber, the increased opening for very bulky fabrics such as fiberglass and some software functions for an automatic drafting that is even more effective.

For many denim companies in Asia, South America and beyond, the label maker has become a must-have machine. In addition to saving time compared to printing the graphic to be positioned on the stretched mattress, you also save paper and ink, both for economic reasons and to protect the environment, an aspect that companies are very sensitive to today.

Polaris 908 is the latest model of



labelling machine that, compared to the previous series, boasts greater speed and precision as well as a software update that allows the operator many more functions on label positioning, which can be done automatically by the program or the operator can choose the exact point where to place the label.

Finally, automatic cutting.

Our cutting machines developed for the Denim and Composites sectors are the 919 in the 70H version and the 920 Typhoon with 6000 rpm blade motor.

The two cutting machines are specifically designed for composite materials and the combination of hardware and software guarantees production reliability. These models work with 0-buffer placements; they are equipped with a newly designed graphic interface with touch icons, automatic recognition of symmetries and common lines and the possibility to enable path harmonization. The operator can also independently manage the notches by converting the shape, size and choose whether to make them in the last minute or before the perimeter.

Typhoon is the most complete machine in the IMA range. Designed with a very solid and robust structure, it can withstand very demanding workloads. All of this is possible thanks to a series of specifically designed hardware and software components. The bridge with Gantry technology moves on racks instead of belts. The SIEMENS double turbine guarantees constant pressure during

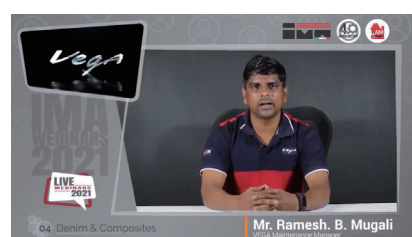
material processing. The so called "intelligent" blade is equipped with sensors that analyze in real time the blade effort to interact in real time on the working parameters, in order to guarantee an even cutting quality from the first to the last sheet. The blade lubrication system makes it possible to increase the number of sheets by up to 50%, especially with materials characterized by a low melting temperature.

All these components make Typhoon the perfect machine for cutting composite materials and denim.

Now I leave you with the testimonials of our customers

Testimonials

Customer VEGA AUTO ACCESSORIES PVT LTD – INDIA - Mr. Ramesh. B. Mugali – responsabile Manutenzione
<https://vegaauto.com>



Hi, I am Ramesh from the maintenance department in Vega Auto Accessories Pvt Ltd(Belgaum) India.

We are the manufacture of motorcycle, safety helmets and helmet accessories. We have IMA 919 (10CM) Series auto cutter machine. In this machine we get 10000 to 12000 every cutting parts in a day. By using this machine, we increased our productivity with good quality. The machine is very good and service team of IMA had very good and quick response.

Thank you.



Customer APEX AGM CUTTING – BANGLADESH -

**MR. SAILFUL ISLAM – Assis-
tente al General Manager -**
<https://apexholdings.com/textiles>

My impression about IMA machines is so excellent, I did not expect so good results in such a short time.

Also production quality and accuracy is so good, better than band knife and also IMA service is fantastic with immediate response when we call.

So we are very happy with IMA machines!

**CUSTOMER ARTISTIC FAB-
RIC MILLS – HARACHI – PAKI-
STAN – MR. SHAIKH FAISAL
QADRI – CUTTER OPERATOR**



Good morning my name is Shaikh Faisal Qadri, I'm IMA auto cutter operator in the Artistic Fabric company.

IMA TYPHOON model is a very good cutter and the performances are very good. Our production is increased compared to manual production and TYPHOON is giving an output production of 6-7 thousand pieces in one shift of 8-10 hours. So, we encourage all customers to buy IMA auto-cutter for Denim.

Here we are back together, on behalf of all team members I thank you for your attention, hoping that this webinar has been interesting and has given you some more food for thought about new solutions. Now we all take the opportunity to wish you Happy Holidays as they will start soon, the year is coming to an end so best wishes, see you in 2022 with the hashtag #45 years as protagonists

Best wishes and happy holidays again!