



Advanced
Automation
Systems

The 'Technical Solutions' logo consists of a large, stylized blue 'C' shape that frames the word 'Technical' in white. Below 'Technical' is the word 'Solutions' in blue. To the left of the 'C' is a blue circuit board icon with several lines extending upwards and to the right.

Technical Solutions

Our services add value to your operations



Customized Solutions

Page 4

 Custom-made,
Turn-Key Production Lines
Page 5

 Emitter Design
Page 5

 Technical Consultation and
After Sales Service
Page 5

 Project and Investment Consultation
Page 5

Technical Solutions

Page 6

 Technical Support department
Page 6

 Technical Support
Page 7

 Consultation
Page 7

 Production Start Up Services
Page 7

 Commissioning
Page 8

 Employee Training
Page 9

Aftersales Technical Support and Troubleshooting

Page 10

 Remote Support
Page 10

 On Site Support
Page 10

 Troubleshooting
Page 10

 Technical Manuals
Page 10

 Maintenance
Page 11

 Spare Parts
Page 11

Production Upgrades

Page 12

Customer Care Card

Page 13

Global Footprint

Page 14

Customized Solutions

By utilizing our knowledge, experience and expertise we are able to provide the best possible solution for your needs. We do not treat you as a customer that purchases products from us, you are our partner and we strive to add value to your investment.

The knowledge, experience and expertise of our dedicated production line development team, enables us to provide customized solutions for the specific bespoke needs of every market worldwide. Our 40-year experience in the drip irrigation industry, equips us with the ability to understand every dripline producer needs, goals and expectations. Moreover, we already know that the market each company operates in has its own challenges and we have solutions for each challenge.

In order to meet all drip irrigation production criteria and constraints of our partners, and

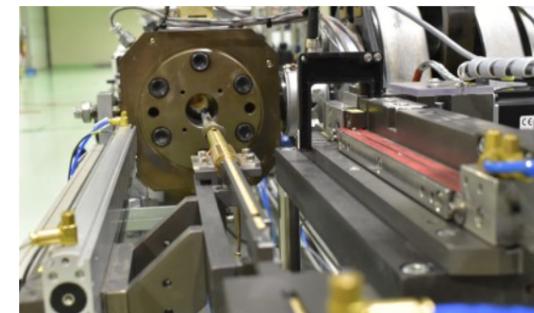
at the same time deliver a perfectly operating production line with the highest possible efficiency, we have developed a wide range of different solutions for each production line component. All components provided are designed, developed and optimized by our R&D team and can be combined in order to reach the best possible outcome with the greatest production output and achieve the highest possible Return On Investment (ROI).

The production line department will work with you hand in hand to develop the optimum dripline production solution for your individual needs. We can provide several alternatives that will enable you to achieve all your targets. We will thoroughly explain the benefits of each solution, in order to assist you with the optimal dripline production configuration.



Custom-made, Turn-Key Production Lines

Our team can design, develop, build and install a complete drip irrigation production line according to your specific needs. We cooperate with major manufacturers in the drip irrigation industry and therefore have a great variety of solutions which will suit your production needs and increase your return on investment.



Emitter Design

Our specialized emitter design team is able to design and develop custom made emitters according to your market needs and make sure that will accommodate your production line requirements. We can also provide a vast range of emitters which are currently produced in our state of the art factory.



Technical Consultation and After Sales Service

Our goal is to ensure that our services surpass the expectations of our partners. Our experienced technical team can provide you with all the answers, propose the optimum solution and offer comprehensive after sales service and support.



Project and Investment Consultation

The accumulated expertise and experience enable us to embark and consult on any drip irrigation project of new investment, restructuring, merger or acquisition worldwide.



Technical Solutions

Technical Support department

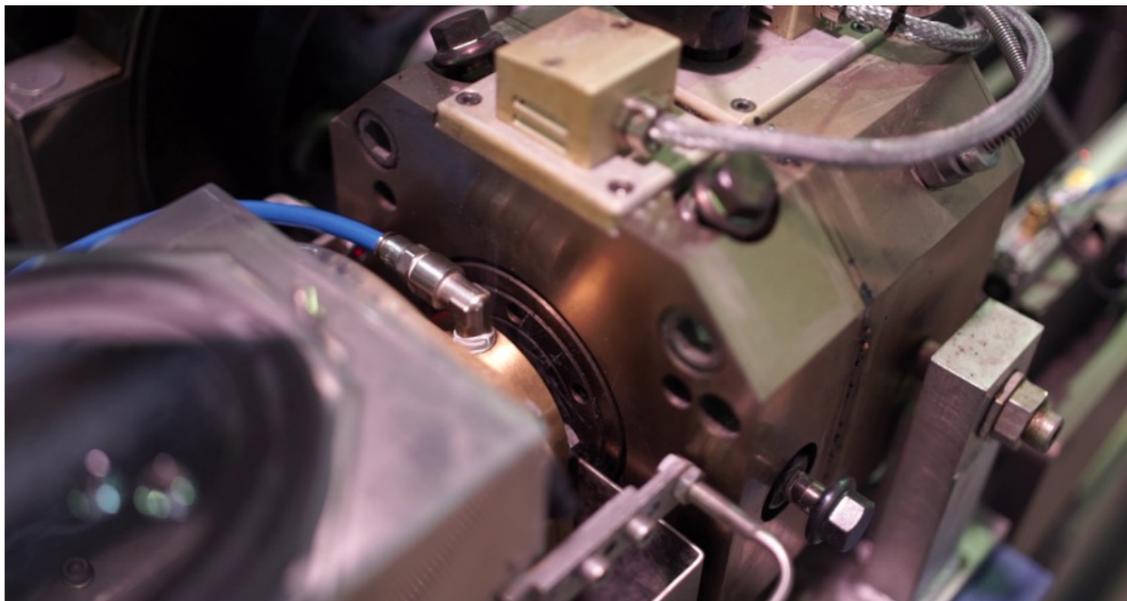
Our Technical Support department was developed to serve our trusted partners and add value to their operations and production procedures, by sharing our knowledge, experience and expertise of more than 40 years in drip irrigation production.

The technical support department is serving multiple purposes with its main role being to provide industry leading technical solutions to our partners. More specifically, the department serves as a link between the R&D and the individual customer needs, by bringing them the cutting-edge technology, detect their specific production issues,

recognize which aspects of our innovative technology can be applied and how they can maximize their potential.

The technical support and solutions that is offered from our team of experts, will be monitored by the head of R&D department and provide all necessary resources, to assist you in every possible way regarding your drip irrigation production needs.

The department is stuffed with highly experienced employees that will guide you in every step of the drip irrigation production process and provide solutions for any issue concerning your individual production needs.



Technical Support

The technical support that our dedicated department provides, is offered in many different areas and in several levels, depending on your individual needs and operations. The technical support ranges from purely consulting services, to hands on technical solutions and problem solving at your premises, worldwide.



Consultation

We provide services in many different levels and areas regarding drip irrigation production. We can consult you from the suitable driplines and emitters for your

market and the combination of production lines and emitters, to raw materials and employee selection.

Prior to any investment in drip irrigation production, it is very important to develop a plan for your overall production plan and needs. This plan will enable you to invest in the correct combination of production lines with the corresponding emitters for increasing the return on your investment.

We can assist you in raw material selection for your dripline production at every level. Depending on availability at your specific area, we will determine the optimal solution which will best suit your production needs.



Production Start Up Services

Depending on your needs and familiarity with drip irrigation production lines, we can assist you in every step of your production startup.

- Unpacking
- Installation
- Commissioning
- Training

Commissioning

We have developed a unique production line commissioning experience for our partners.

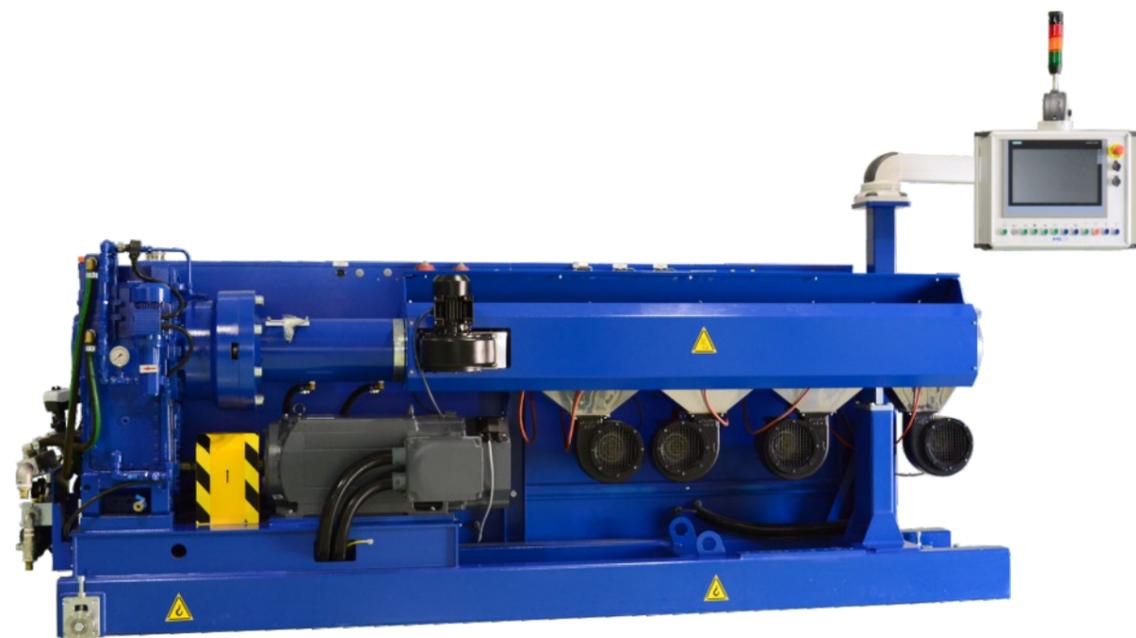
As soon as you place your order, we start working on it by assembling all components of your production line. The next step is to start operating the production line and run extensive and edge case testing on every component, in order to ensure that it is operating as described. When every test is completed and we produce an adequate quantity of high-quality dripline, we welcome you in our showroom for a comprehensive demonstration. You are able to see your production line operate for the first time and experience firsthand the quality excellence of our products and services.

After your approval, the production line is carefully packed and shipped to your factory. Upon arrival of the production line, our

dedicated commissioning officer will come to your premises to finalize the commissioning process which involves several steps. First of all, he inspects the production line components. The next step is to install them in place and make the appropriate alignments and adjustments. The final step involves both initializing the production line operation and at the same time train your line supervisor.

As soon as the production line runs smoothly, the dripline is produced according to both ISO and your individual, and your production team feels comfortable with the complete line operation, our commissioning officer leaves the premises and the commissioning is regarded complete.

In the event of a production line relocation within your factory or in a completely new location, our technical department will assist



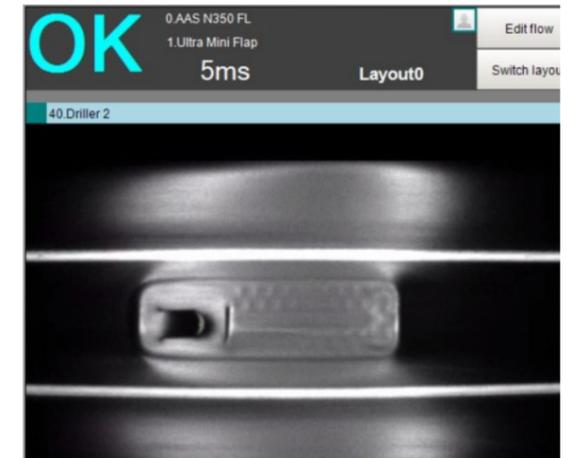
you in every step of the process, in order to reduce downtimes and achieve a flawless production after relocation.

Employee Training

We believe that the most valuable asset of a company is its human resources. This is why comprehensive employee training and troubleshooting is one of the most important services that we provide.

Depending on your needs a production supervisor or a set of employees have to be trained in order for them to be able to cope with day-to-day operations and basic troubleshooting for the optimal and smooth operation of your production lines. The training takes place at your premises in order for everyone to be able to get accustomed with the real production conditions of your needs and expectations.

Finally, depending on the level of experience of your employees, training can be carried out in several sessions, until everyone feels comfortable in operating the line in the optimal way and under different conditions and products.



Production Optimization

Optimizing your production is a difficult and time-consuming task, which requires a lot of resources, especially if you are not experienced with dripline production. As soon as you manage to optimize your production, the rewards will be significant since you will dramatically reduce the downtimes and overall production costs.

By utilizing our knowledge, experience and expertise of more than 40 years in drip irrigation production, we are able to assist you optimize your production in every possible way, from overall production planning to the final product handling.

Our goal is to reduce your production costs and increase the production efficiency in order for you to maximize the return on your investment (ROI). Every industrial machine has by default a production efficiency factor and what we do is to assist you to nearly achieve the theoretical efficiency factor and optimize your equipment to its maximum potential.

Aftersales Technical Support and Troubleshooting

There are two main types of after sales technical support which are associated with the way they are offered. In most cases the training of your employees will be sufficient for day-to-day operations and troubleshooting. In case that for any reason your team cannot resolve the issue, or needs further assistance, you can contact directly our technical support. We will identify the root cause of any issue and provide relevant support to successfully resolve it.

Remote Support

The remote support is the fastest and most efficient way of dealing with all issues that may rise in your production. We are always available for any problem that you may face and we always respond and solve it as soon as possible. This is very crucial for our partners since we have managed to reduce their production downtimes to the minimum possible.

The remote support can be performed by logging in to your production line remotely and analyze the data received from it, or if it's a simpler matter by reviewing your production line's fault codes.

On Site Support

We offer on-site support for every issue that cannot be resolved remotely, or by your production team and technicians. The on-site

support has been proven extremely valuable to our partners, since there are cases of production issues being accumulated for a variety of reasons which can be solved by our technical team with just one visit to your premises.

Depending on your production issues, a technician or a team can visit your factory for one or several days.

Troubleshooting

In the unlikely event of a production shutdown due to a production line malfunction, the line operator has to follow the standard procedure which was thoroughly explained to them, during the initial training process.

If the problem persists and cannot be solved by following the standard procedure, we can connect remotely through an encrypted connection for maximum safety, and provide a solution online. Moreover, our technicians are always available for any issue that cannot be solved by your maintenance team, offering on-site technical support.

Technical Manuals

All our production lines are accompanied with the respective technical manual that will guide you in every step of the production process. The technical manual of your production line is describing in detail the

process of operating, maintaining and troubleshooting.

The technical manuals that you receive are unique to your production lines and customized depending your specifications. Our technical manuals are comprehensive guidelines for every part of your production lines and by following them, you can produce high quality dripline in the most effective and efficient way and solve any issue that may arise.



Maintenance

All machinery needs preventive maintenance, which is always held according to specific timetables and production cycles. The correct and regular maintenance of all production lines and equipment is vital for efficient dripline production. A poorly maintained production line can have a huge impact on its efficiency and the quality of the final product.

This is the reason why we have set periodic maintenance procedures, which are tailored to each production line, including replacement of worn-out parts which are considered consumables. The regular maintenance is performed by your

maintenance team with our guidance and support if it is necessary.

Spare Parts

Spare parts handling is a very important procedure for a seamless operation in a factory. Knowing how frustrating it is to stop your entire dripline production due to a small part failure, we have developed inventory lists for each production line, which are then tailored to the needs and production capacity of your specific operations.

A detailed list of all consumables is handed out with all necessary spare parts and their recommended frequency of replacing them. It is extremely important for everyone to be able to change them rapidly when they start to deteriorate or malfunction in order to avoid further damage to interconnected parts and therefore downtimes.

Furthermore, we constantly keep at our warehouse a minimum stock of a wide range of spare parts and consumables in order to be able to dispatch them immediately to your premises and therefore, reduce the downtimes to the minimum possible.

Production Upgrades

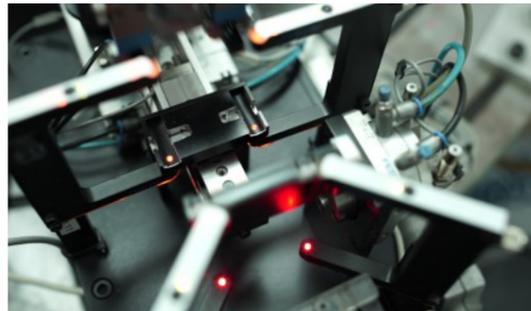
We are proud to be the early adopters in the industry, since we put to the test every new technology available for our products and production procedures. By doing so, we constantly add value to your operations. Our R&D department enables us to achieve that, by performing all necessary tests and optimizing the use of new technologies in every area possible.

This is why we constantly strive for improvement in every aspect of our operations. Either it's a development that will improve our processes, or a product upgrade that will provide a solution to your individual needs, we constantly invest in new technologies, to deliver the optimal solution and add value to your operations.

Hardware Upgrades

All individual parts of our production lines are designed in-house and manufactured from carefully selected suppliers, according to our specifications under proprietary mechanical designs. A.A.S. production lines are designed for the optimal and uninterrupted operation, at the highest possible production speed, with the maximum efficiency.

Our dedicated R&D department is constantly upgrading every single part by using the latest technologies. This results in offering the most efficient production lines of the highest quality, that will add value to our partners production.



Software Upgrades

Software development and upgrades play a very important role in the quality excellence that we praise and a drastic role in achieving the high efficiency and industry leading production speeds of our production lines.

Moreover, we use the new technologies for providing environmentally friendly solutions to our partners in every possible aspect. From reduced energy, water and consumables to optimizing the production procedures by for instance reducing their scrap to the minimum possible.

Finally, the automation of all processes in conjunction with all the safeguards available in every component of our production lines, provides the ability to reduce the manpower costs. This is achieved because there are less employees needed to efficiently operate the lines, with no particular knowledge in drip irrigation production.

Customer Care Card

In order to make all functions of our technical support more accessible to everyone, we have developed the Customer Care Card.

For every new production line, we provide a specific Customer Care Card with a unique code, which is dedicated to the line and follows it.

Card Benefits

With the Customer Care Card and the specific number assigned to it, you can contact our technical support team via email and receive immediate support without having to go through a time consuming quotation and acceptance cycle.

Every request is logged directly in our customer management system which means that you will receive instant support from our team.

Moreover, significant information will be available through the card code since it will provide direct access to every hardware and service linked to your production line:

- Hardware upgrades
- Software upgrades
- Spare parts ordered
- Maintenance performed
- Contacts for technical support

Card Credits

Initially, the card is filled with credits which can be used for every aspect of the technical support. This includes both on-line and onsite support, depending on the specific needs.

The credits of the card can be renewed at any time, which will again provide priority to your technical support request.



Service Code: 0001

For assistance contact
technicalsupport@aa systems.eu

Global Footprint

Our multi-year global presence in the industry of drip irrigation, equips us with deep knowledge of the particularities and challenges of every country and region. Therefore, we are the experts in the drip irrigation industry.

Geographical Presence

We have a wide geographical presence deriving from our ability to offer comprehensive drip irrigation solutions and superior product quality. A.A.S. is a highly respected brand amongst the drip irrigation product manufacturers and technology providers worldwide.

Our global sales and our technical team are always in reach, working hand in hand with our partners in every part of the world, taking advantage of our wide distribution network.

Over the years we have supplied many companies around the globe with our advanced, high quality emitters and state of the art production lines for the manufacturing of driplines.

Partners in all Five Continents

Our large manufacturing capacity along with the dedicated R&D and Quality Control departments enables us to have long-term contracts for the supply of emitters worldwide with many companies in the field of irrigation.

Our major partners are internationally renowned companies or corporations, ranking in the top 10 largest drip irrigation manufacturers, spread on all five continents, trusting us for delivering the optimal solution for their drip irrigation production needs.



**We have partners in all five continents.
We know drip**



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