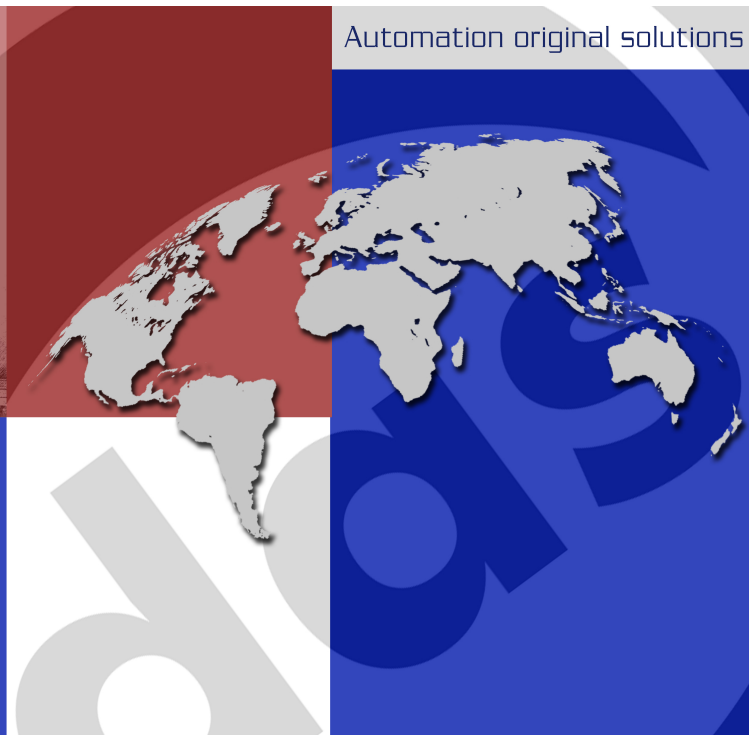




Automation original solutions



Innovation exported  
all over the world

DAS company is based in Palombara Sabina – Italy since 1977, starts with propensity to the innovation in the electro-medical sector, beginning with pediatrics, by proposing alternative equipment with competitive solutions. Later on DAS acquires knowledge and competences in other application fields and introduces new innovative automated air pollution samplers that are immediately well received by the international market, at the same time, new automated systems with strong innovation concepts are designed and produced, specifically for the In Vitro Diagnostics branch, and are much appreciated by both markets of reference, national and international.

Currently DAS designs and produces within its premises, following the continuous evolution and technological transformation, automated systems more sophisticated and complex than ever, with the aim of constantly enhancing the performances and the quality of product, but also to facilitate the use and maintenance of its instruments, guaranteeing better analytical results and higher reliability. The most recent product line "ELITE", due to its outstanding flexibility and originality, stands out to the attention of IVD market that relates to the analytical full automated process of ELISA - IFA - BLOT.

Every activity within the company, from management to design and production is carried out according to the quality standard regulations: **UNI EN ISO 9001 & UNI EN ISO 13485**.

#### Instrument configurations

	ELISA	IFA	BLOT
AP22	2 plates		
AP22 IF	2 plates	16 slides	
AP22 IF BLOT	2 plates	16 slides	24 strips
AP16 IF		16 slides	
AP16 IF BLOT		16 slides	24 strips
AP32 IF		32 / 40 slides	
AP BLOT			48 strips
APE	4 plates		
APE IF	4 plates	16 / 20 slides	

**das** srl

Viale Tivoli 102 - 00018 Palombara Sabina (Roma) - Italy  
Tel. (+39) 0774 66840 - 0774 637070 - Fax 0774 634039  
e-mail: [info@dasitaly.com](mailto:info@dasitaly.com) - <http://www.dasitaly.com>



rev. 00



Applied Innovation

#### AP22 ELITE ELISA AUTOMATION

Full automated system for ELISA method. The instrument is able to manage 2 ELISA microplates with independent temperatures and shaking, 8 tests on line, sample and reagent dilution, dispense with different incubation times and washing modes up to the final ELISA reading and data processing.



#### AP22 IF ELITE ELISA-IFA AUTOMATION

Full automated system for ELISA and IFA methods. In addition to all the AP22 ELITE features the instrument is able to run 16 IFA slides, sample dilution, sample and reagent dispense with independent incubation times and different washing modes. An optional system is also available for slide barcode reading.



#### AP22 IF BLOT ELITE ELISA-IFA-BLOT AUTOMATION

Full automated system for ELISA, IFA and BLOT methods. Thanks to a dedicated Blot Module and camera, added to all the AP22 IF ELITE features, it is able to carry out the full automation for 24 Dot/Western Blot strips starting from sample dilution, sample and reagent dispense, incubation, strip washing up to the dot imaging processing and assessment for each strip. The software allows to edit, store and record patient data and reports.



#### APE ELITE ELISA AUTOMATION

The latest version of ELISA processors able to manage 10 methods on line with 4 microplates at different temperatures. It is equipped with a sliding sample barcode reader; a microplate shaker is also available. Its user friendly approach for both software and hardware allows the operator to start working with the instrument as soon as it is out of the box, no pre-adjustments or calibrations are required.



#### APE IF ELITE ELISA-IFA AUTOMATION

The latest latest version of combined ELISA and IFA automated processors of DAS. The instrument is able to manage 10 methods on line with 4 ELISA microplates at different temperatures; a three needle system allows fast processing on 16 IFA slides. It is equipped with a sliding sample barcode reader; a microplate shaker is also available. All parameters for dilution, dispense, incubation, washing, reading and data processing are settable by the user.



#### AP16 IF ELITE IFA AUTOMATION

Innovative and fast processor able to run 16 IFA slides with any kind of thickness, mask, well shape and number of rows. It is equipped with a sliding-sample barcode reader and a camera for slide barcode reading. Reliable and manufactured with the latest technologies, it is able to carry out: sample dilution, sample and reagent dispense, different incubation times and slide well different washing types with accuracy and precision.



#### AP16 IF BLOT ELITE IFA-BLOT AUTOMATION

Powerful combo system for IFA and BLOT methods processing thanks to the easy and fast work area configuration change. In addition to all the AP16 IF ELITE features, a dedicated Blot Module and camera allows to carry out a full automation for Dot/Western Blot, starting from sample dilution, sample and reagent dispense, incubation, strip washing up to the dot imaging processing and assessment for each strip. The software allows to edit, store and record patient data and reports.



#### AP32 IF ELITE IFA AUTOMATION

Innovative system able to process 40 IFA slides. A special three needle system expedites the work session. The system uses a powerful proprietary software that allows to run more DAS' instruments at the same time. It processes simultaneously slides with any kind of thickness, mask, well shape and number of rows, keeping the well known accuracy of all IF processors of DAS. The instrument is equipped with sample barcode reader; barcode reader for slides is available as well.



#### AP BLOT ELITE BLOT AUTOMATION

Fully automated Blot processor able to manage sample and reagent dispense, incubations, strip washings and reading. The system measures the blot intensities, provides results and manages final report archiving. Pictures of processed strips are directly taken from a digital colour camera when are still into the allotment trays, avoiding the strip removal and the time consuming task to collate the strips on dedicated sheets. The instrument is equipped with a built-in sample BCR. An optional heating system reduces the strip drying time before the reading phase.



All DAS' IFA processors are Camera and Blot ready, devices easily to install even when the instruments are already in the field.

#### PLATE READER ELISA PLATE READER

8-channel ELISA photometer for sequential reading of 96-well microplates. Designed according to the most sophisticated technologies it turns out to be of high quality and reliability as well as of high precision and easy to use. With its powerful built-in software it is able to store dedicated assay calculation protocols, automatically process sample results, plot and store calibration curves. The instrument is also able to manage programmable reading delay and shaking. An optional dedicated ACTION software for PC adds more useful features for laboratory users.



#### PLATE WASHER ELISA PLATE WASHER

Automated washer for 96-well ELISA microplates. The most advanced design and manufacturing technologies provide high quality and reliability as well as high precision and easy to use. In combination with DAS' Plate Reader it turns out to be a complete work station for the washing and reading of ELISA tests. The original aspirate and dispense system assures a residual washing volume less than 3µl. Its powerful and versatile software allows to store and execute any washing procedures and manages programmable incubation times and shaking.



#### STRIP READER ELISA STRIP READER

One channel ELISA photometer able to read strips of 8/12 wells or part of them. Up to 7 interferential filters allow mono or dichromatic readings. Designed according to the most advanced technologies it turns out to be of high quality and reliability as well as of high precision and easy to use. With its powerful built-in software it is able to store dedicated assay calculation protocols, automatically process sample results and store calibration curves.



#### NEO-BIL Plus NEONATAL BILIRUBINOMETER

Advanced and innovative version of traditional bilirubinometers. It is to analyze the total bilirubin through a microcapillary tube in order to follow the new born jaundice course. More than 40 years of experience in this specific field have led us to this achievement. Thanks to the most advanced technology, frequent adjustments and calibrations are over. A precise sample measurement of both bilirubin a interferentials is carried out on a small blood drop without reagents on the same point of the capillary by a special reading system. The instrument is equipped with a built-in printer for sample results.



#### ANALYZER 90 CLINICAL CHEMISTRY PHOTOMETER

Reliable and robust semi-automated clinical chemistry photometer equipped by a Flow Cell with Peltier controlled temperature. Mono and bichromatic reading system with 7 optical filters from 340 to 700nm. Data processing with different calculation and reading modes: End-Point, Fixed-Time and Kinetic. Its software is able to manage and store standards, factors and calibration curves as well as the last 300 sample results and 200 assays.



#### HB ANALYZER Plus HAEMOGLOBINOMETER

Instrument for a fast and accurate determination of haemoglobin concentration by the cyanmethaemoglobin method. It has been conceived taking in account of precision, reliability and quick response. The sample result, expressed in g/l, g/dl or mmol/l, is immediately calculated, displayed and printed. The reading is directly performed through a standard 10x10mm cuvette with automatic zero measurement.

