Radiology Systems

product **panorama**

VILLA

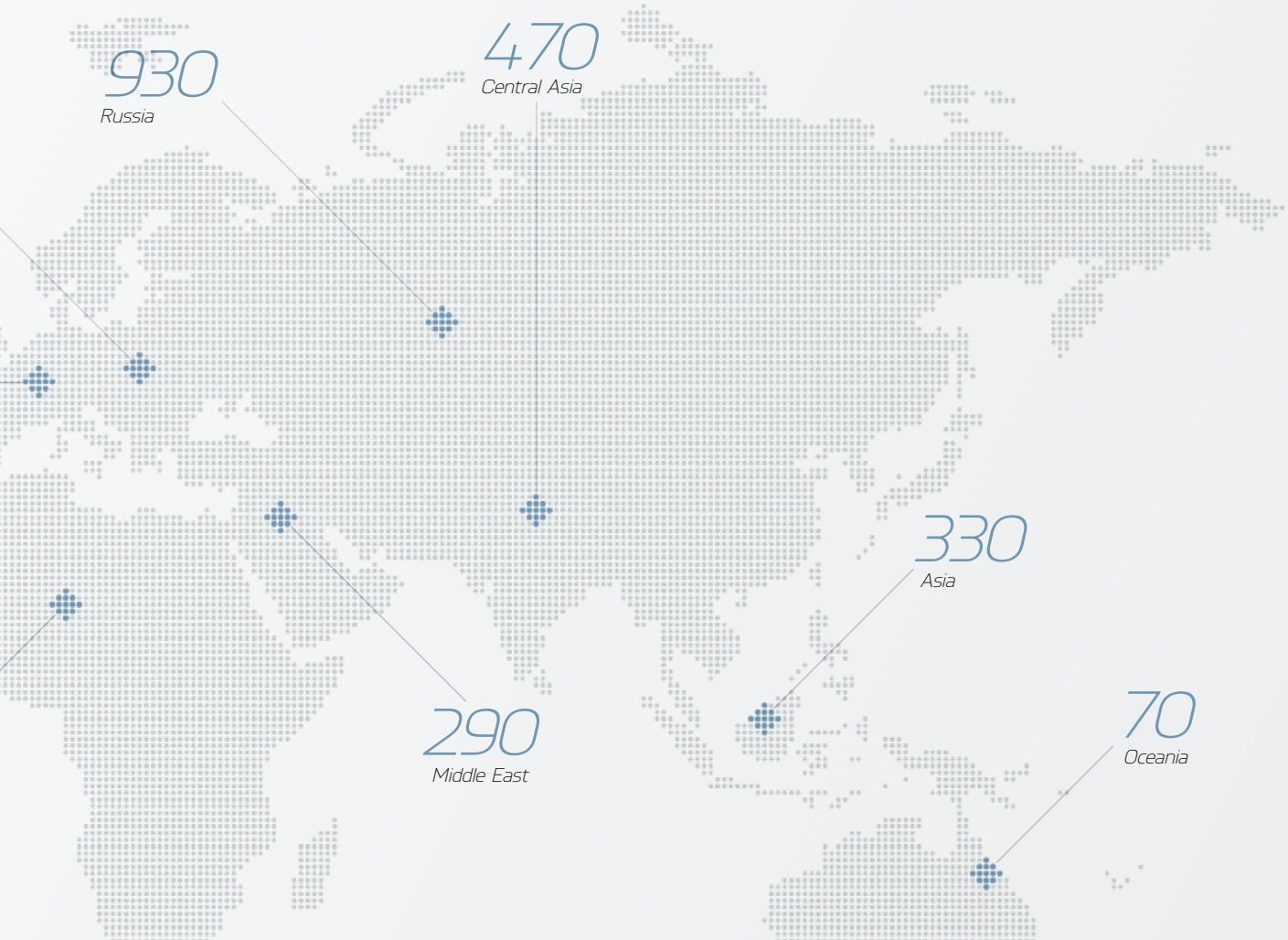
radiology ahead

Over 6.000 installations in radiology centers all over the world

Villa Sistemi Medicali SpA is one of the largest Italian companies, and among the most important worldwide, in the production of medical radiology equipment.
Founded in 1958, Villa Sistemi Medicali designs and manufactures its own products in Buccinasco, near Milan, following a rigorous certified process quality system (ISO 13485:2016) and offering a comprehensive product portfolio in the radiological imaging field:

- Analogue and digital radio-fluoroscopy systems
- Analogue and digital general radiography systems
- Mobile and surgery room X-ray units
- Analogue and digital mammography units
- Fixed and portable digital detectors

a long history of success, innovation and continuous growth



The experience and knowledge accrued in over half a century in the dental and medical sector are the main strengths that have allowed Villa Sistemi Medicali to gain a leading position in the international market for diagnostic radiology equipment, and to be constantly able to meet the needs and expectations of operators in the sector. The company has been able to grow and evolve over time, keeping in step with digital technologies and new production processes, completely renewing its image and communication methods, investing in cutting-edge tools for training and remote support, such as augmented reality and virtual reality.

Through the invaluable cooperation with a number of trade partners, and by setting up a wide and capillary sales network, Villa Medical Systems has consolidated its presence in more than 100 countries by installing thousands of its equipment, thus becoming one of the main players in the sector of diagnostic radiology.

flexibility and high performance

The remote-controlled **Apollo DRF** table, with dynamic Flat Panel detector, is the most comprehensive top-of-the-range digital R/F system, which allows to achieve the utmost efficiency and operative versatility and to accomplish rapid diagnoses through images of excellent diagnostic quality. The renewed version, in addition to featuring all the functions introduced in the analogue system, includes the new touch-screen collimator with patient centring controls and the new touch-screen user interface provided with generator controls, which contribute increasing flexibility and user-friendliness of the system, as well as widening its performance and functions.

Furthermore, the new multi-layer, edge-less patient tabletop, with low X-ray attenuation, improves accessibility and allows reduced patient dose. Besides applications for digital angiography and full-leg and full-spine exam, the diagnostic capabilities of the system are further enhanced with the addition of the new tomosynthesis procedure: an advanced imaging method that reconstructs detailed sections of the anatomic region of interest and provides further precious information for the diagnosis process.

apollo DRF

accessibility and compactness

The special **Apollo DRF/OPEN** version, thanks to the single-side suspended patient tabletop, offers the utmost patient accessibility from every side of the table, extending its use to intervention procedures and simplifying operations of patient transfer from the stretcher to the table.

apollo DRF/OPEN

apollo EZ/DRF

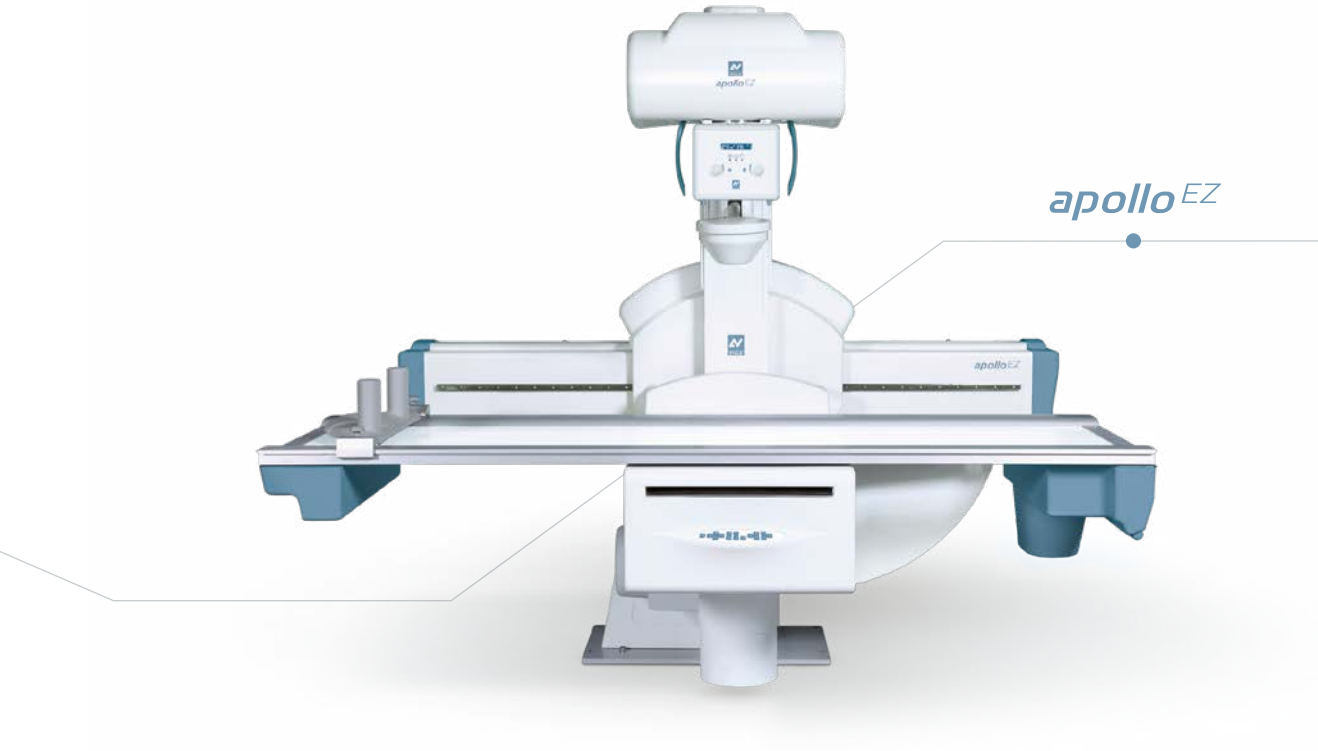
Apollo EZ/DRF retains and includes most of the innovations introduced in Apollo DRF in a compact mechanical structure that is reliable and cost-effective, as well as capable of providing consistently high performance and comprehensive coverage of diagnostic applications.

diagnostic comprehensiveness and reliability

Apollo is the Villa's well-known remote controlled system, lifting and tilting up to 90° on both sides, offering excellent application flexibility, effective workflows and the utmost care for the patient in radiographic and fluoroscopic procedures.
Further features and functions have been introduced with a view to continuous product improvement, which make the remote-controlled table even more versatile and user-friendly. Interaction with the equipment has been improved with the new smart-touch control console, with a more intuitive interface and a camera-based patient positioning system, while the built-in, 2-way intercom with multi-language messages makes it possible to communicate with the patient during the examination to reassure them. The "Stitching" function simplifies the execution of the exam and makes it possible to automatically perform full-leg and full-spine studies through wireless Flat Panel detectors.

versatility and minimal footprint

The renewed remote-controlled **Apollo EZ** table is the compact and affordable solution, able to meet all the needs in radio-fluoroscopic imaging. Its compact size allows it to be installed even in tight spaces, while offering the same performance as the top of the range Apollo system, such as the stitching feature with portable Flat Panel detectors, the console with smart-touch joysticks and the 2-way intercom system.

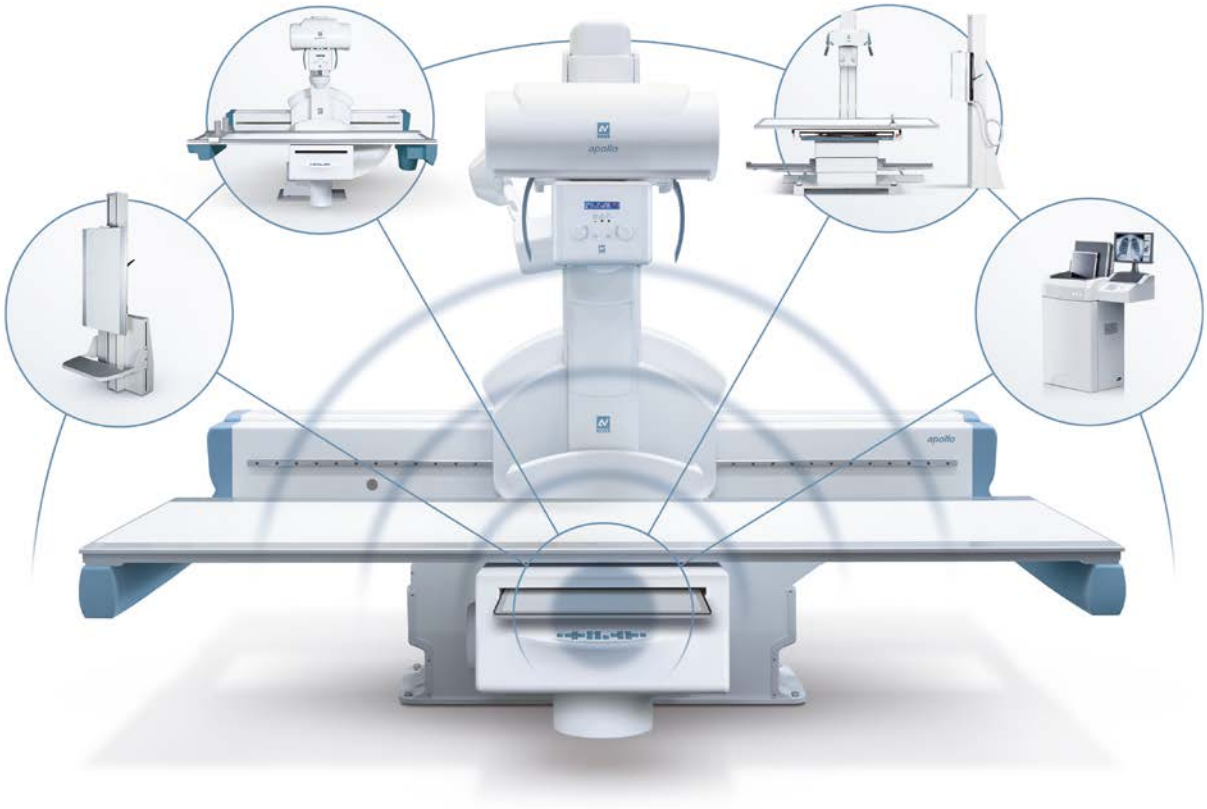


All the Apollo systems can be supplied with a wide range of accessories, useful for patient positioning and for special procedures, such as lateral cassette holders, compression band, shoulder support, patient footrest, leg support, cup holder, reference ruler for stitching and handles.

the perfect hybrid between analogue and digital

The innovative **DR-Wi** version has been designed to get the most out of the combination between a wireless flat panel and an analog remote controlled table. This solution allows to reduce work time and improve images quality compared to the use of CR systems or cassette-films combinations, while reducing the dose delivered. The great versatility of the DR-Wi version is given by the variable SID up to 180 cm and by the different Flat Panel Wi-FI formats that can be used (up to 43x43 cm), which permit to perform the chest exams on the table. Moreover, the flexibility of the tube positioning allows the execution of direct as well as off the table exams with the Wi-Fi detector. The workflow is further simplified by the "Multi-Grid" system, which selects the most suitable anti-scatter grid between the two available based on the SID. Finally, the integration of the "Stitching" procedure, which can automatically perform a series of radiographic exposures and then combine them into a single image, allows immediate investigation of the full-leg and full-spine. The Apollo DR-Wi is therefore a truly multifunctional system, combining all the applications usually carried out by CR systems, remote controlled tables, conventional X-ray rooms and large-format chest stands.

apollo DR-Wi **apollo** EZ/DR-Wi



application flexibility in the smallest space

Armonicus is a compact and flexible DR system, configurable with fixed or wireless flat panel detectors, suitable for use in general radiology and orthopaedics. Its compact size and small footprint make it suitable for all facilities with limited operating space.
The user-friendly touch screen interface ensures quick and easy control of all system functions, including stitching for full leg and full spine examinations.

armonicus

modularity for tailor-made solutions

Moviplan iC with **Lem Plus iC** ceiling suspension, which can also have the automatic positioning system, is the ideal solution for those seeking comprehensive operative flexibility and the utmost productivity in a state-of-the-art radiography room.

ease of use and multi-functionality

Moviplan iC represents the new generation radiography system, configurable thanks to the combination of a wide range of features and applications, able to meet any diagnostic need in the radiology sector, also thanks to seamless integration with different VDX Digital Imaging solutions.

In high-end set-ups, including the column version, it is fitted with all the automatisms and technologies required to increase productivity and efficiency in any work setting, while always featuring extreme ease of use thanks to the user-friendly touch screen graphic interface.

high productivity with a simple gesture

The new **Tele iC SR** – "Stitching Ready" - chest stands have been designed to further improve the workflow of the full-leg and full-spine exams through the original patient support integrated into the frame, which can be parked quickly with a simple push when not required. They are available in both vertical and tilting bucky versions.

digital images at your fingertips

artpix EZ2GO

ArtPix EZ2GO is an innovative plug-and-play digital acquisition of X-ray images solution, consisting of a wireless Flat Panel and a tablet dedicated to manage all the functions. It is a turnkey solution that may extend the service life of any analogue radiographic system by turning it into a state-of-the-art digital solution.

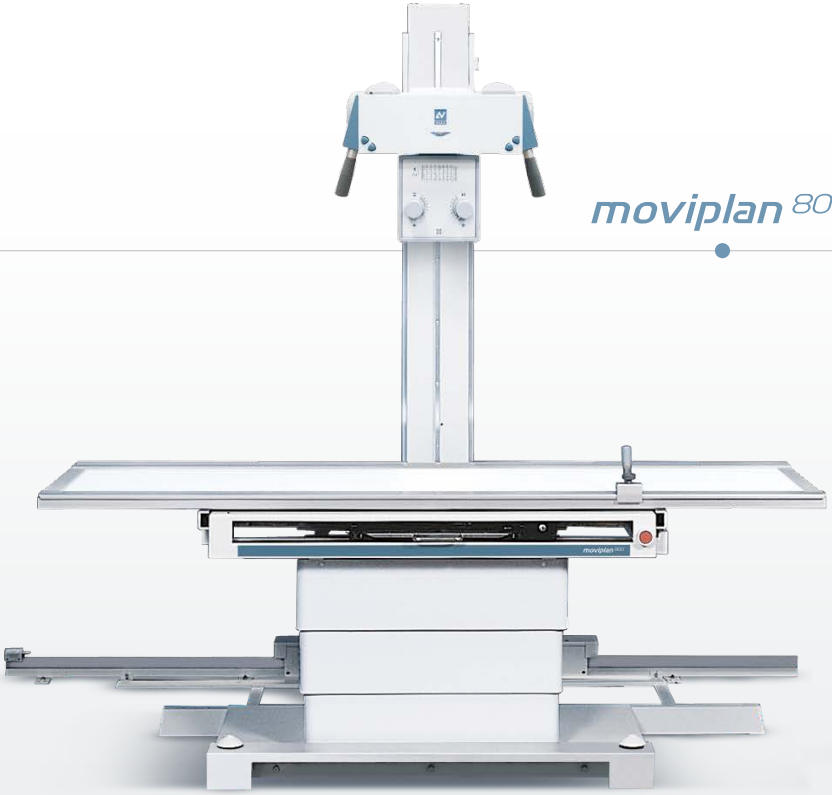
vdx next SYSTEM

VDX Next Imaging System is based on a family of digital detectors with different sizes, either fixed or portable, combined with acquisition software that is fully integrated with the specific functions and examination procedures, representing the perfect complement to our digital diagnostic rooms with a single or double flat panel detector. The wireless models, which automatically synchronize with the X-ray emission, ensure maximum freedom of movement, and may be shared, for instance, with mobile radiology units, may be used in hospital wards. In addition, the VDX Next Add-on package, available with Bluetooth DAP kit, allows converting any existing analogue equipment into advanced digital systems.

The powerful software of the new **VDX Next System**, provides comprehensive tools to increase the diagnostic information of the acquired images and includes DICOM functions for integration in the hospital's network. The software includes a number of advanced applications and options, such as "Software Grid" that allows dose reduction, "Bone Suppression" to improve the visualization of soft tissues, and "Boost Lines" that enhance tubes and catheters position, "Stitching Function" that makes it possible to perform full-leg and full-spine exams. These features make the VDX Next System a powerful tool to maximize diagnostic accuracy, efficiency, and patient care.

sturdiness and operative continuity

Moviplan 800 is the well-known Villa's general radiology room and represents the simplest and affordable solution to meet the needs of basic and emergency X-rays. Available with fixed or elevating floating tabletop and complemented by a fixed or tilting wall bucky, Moviplan 800 adequately addresses any functional and budget need.



moviplan 800

well-established efficiency and functionality

Vision* is a conventional tilting R/F system, designed to perform all types of R/F studies with the utmost efficiency and simplicity. Thanks to its flexibility, ease of use and compact size, Vision is the ideal choice for those seeking a system that meets all routine diagnostic needs.

vision

* No CE mark

comfort and image quality

Melody III is the Villa mammography line designed with the most recent technology, from diagnostics and ergonomics point of view, able to combine high image quality and excellent patient comfort.
They are available either in analogue or digital version, also with tomosynthesis and 3D stereotactic biopsy functions. The new line offers a wider excursion of motorised isocentric C-arm, increased scanning speed, a choice of different flat-panel detectors and the possibility to install the workstation directly on the unit's chassis.

melody III

melody III D C

melody III D

melody III D TS

accuracy and freedom of movement

Arcovis 3000 is the versatile line of mobile C-arm units, appropriately designed to support a wide range of applications. The devices are available with generator power up to 15 kW and may be configured with a variety of memory systems.
Arcovis 3000 mobile C-arm units are ideal for orthopaedics, traumatology, spine procedures and vascular surgery.

arcovis 3000

arcovis DRF/C

Arcovis DRF-C* is the new surgical C-arm with flat panel detectors, available in two sizes (21x21 cm and 30x30 cm), that offers superior image quality, dose control, and workflow efficiency. With six fluoroscopy modes and high-current continuous fluoroscopy, the unit provides clear images and the right acquisition modality in any condition.

Its lightweight design allows for easy and fast movements, while flawless C-arm movements offer high maneuverability for optimal positioning.
The user-friendly interface features a touchscreen control panel that permits fast and easy image processing and management of operative parameters. These features make the Arcovis DRF-C an ideal choice for surgical procedures that require reliability and versatility.

* Based on the "Arco FP-S" product line from ATS

productivity where needed...

visitor T30 C
visitor T30 C-DR

Visitor mobile units are compact and handy, and therefore they are the ideal radiology solution for intensive care units and wards, for bedridden patients and wherever there is a need to perform an X-ray examination. The T30 C model has an output of 30 kW, ensuring high productivity even in the most demanding operating environments. The digital T30 C-DR model is equipped with a portable Flat Panel detector, thus providing all the advantages of digital imaging. The version with rotating column is also available (T30 R and T30 R-DR), assuring the highest possible operational flexibility.

visitor T30 R
visitor T30 R-DR

visitor T30 M
visitor T30 M-DR

...with the utmost manoeuvrability

Thanks to the built-in batteries, the motorised **Visitor** units – available either in analogue or digital version – offer to operators utter freedom of use and movement. The T30 M-DR model, equipped with a wide built-in touch-screen display and portable Flat Panel detector, simplifies the workflow and streamlines operational efficiency for any kind of diagnostic need. Motorised Visitor units are also available with a powerful 40 kW generator, in either analogue version (T40 M) or digital (T40 M-DR). With this power is also available the flagship model, the Visitor T40 M-DR with telescopic column.

visitor *T40 M*
visitor *T40 M-DR*

visitor *T40 M-DR*
telescopic column

VILLA

radiology ahead

Competence in x-ray systems

Villa Sistemi Medicali is one of the most important manufacturers of radiological systems worldwide.
Leveraging more than 60 years of experience in X-ray field, the company's know-how covers all technologies that can satisfy any need in the X-ray field.

A wide range of equipment

Our range of products includes:
- Digital X-Ray systems
- Remote controlled tables
- Classical tilting tables
- General rad rooms
- Mobile units
- Surgical C arms
- Mammography

Our priority: Technical Service

A wide network of highly qualified and specialized technicians guarantees effective and reliable maintenance of Villa's medical radiology equipment installed anywhere in the world.
Our specialist consulting programmes and technical service contracts are defined by our qualified personnel and adapted to the needs of our customers.

Logistic services: a global presence

Villa Sistemi Medicali daily provides full systems, spare parts, accessories and consumables, shipped regularly to all our customers, worldwide, using the most efficient couriers.
Shipment modalities include ground, ship, air and intermodal freight transport.

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