

Spectro-Data[®] VISION

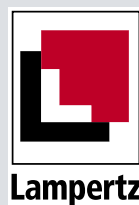
Lampertz Workstation Systems

Functional security and ergonomics for the IT world



FRIEDHELM LOH GROUP

Your IT security is our business



The kit system for workstation visions



SPECTRO-DATA Vision turns the workstation visions of the IT world into reality.

The modular workstation system SPECTRO-DATA from Lampertz has been the "classic" among professional workstations for many years now. SPECTRO-DATA-Vision is the logical advancement of SPECTRO-DATA and was consistently designed to meet the demands of technical working environments-A fascinating "kit system" which uses technical innovations to create completely new workstation solutions: modular, flexible, economical on space and thus absolutely future proof.

A modular system with a distinctive image and unlimited advantages.

User-orientated innovation and compatibility with the SPECTRO-DATA "Classic" defined our targets during the development of the SPECTRO-DATA-Vision. The result is convincing and its extraordinary advantages really make it stand out from the rest:

- Full compatibility with SPECTRO-DATA Classic
- Optimum economy of office space with height adjustment up to 2095 mm.
- Ergonomic adjustment to the correct body posture using a fine height adjustment feature
- Improved surface economy using integrated add-on table tops offers better variability and quality when designing working environments
- Variable cable-management system to be adapted to different amounts of cables at any time - the installation volume can be modified easily

SPECTRO-DATA Vision - perfect workstation solutions for technical applications

Optimum design opportunities with the modular system for:

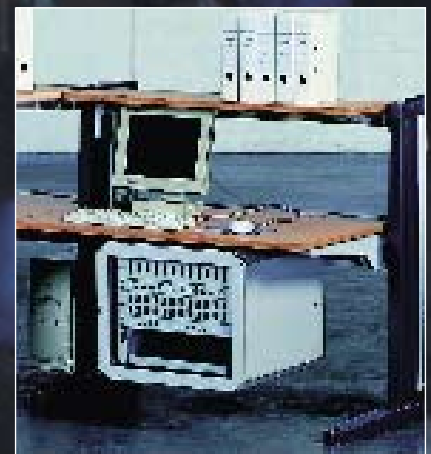
- Production process control consoles
- security control consoles
- traffic and emergency control centres
- network operation and control centres (NOCC)
- console operating
- computer console workstations
- server centres
- manufacturing control consoles
- technically-orientated office workstations
- test and control workstations
- PC configuration posts
- graphics and CAD workstations
- IT training areas

Spectro-Data Vision stands for continuous product systematics, ranging from technically-orientated IT offices and specific IT workplaces for console operating, network management or process control technology, to the pure technical application in the industry.



Multi-functional IT workstations

Spectro-Data[®]VISION



Productivity by functional monitor integration and the optimum use of room and surface space

- Space-saving
- Unrestricted positioning possibilities
- Individually adjustable
- Arrangement over several levels
- Perfect cable management

Standards taken from real applications:

Areas of application:

- Test and configuration areas
- Research and development
- Technical IT office
- IT back-office
- User help desks / call centres

Product features:

- Well structured workstations for testing, checking and developing
- Low office surface costs, increased economy of available space thanks to the multi-level concept
- Futureproof adaptability regarding new hardware generations and display technologies based on the multi-functional shelf and support system
- Safe and functional cabling with the attractive "Basic" cable management system

Solution advantages with Spectro-Data Vision:

- Custom designed workstation, e.g., for testing, checking, developing as well as for administrative tasks
- Integration of flat screens on function profiles and adjustable support arms
- Economical use of space thanks to the use of upper levels



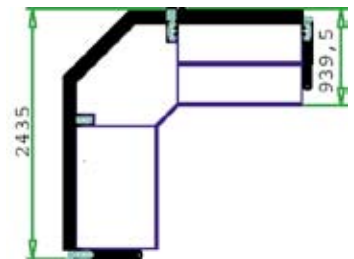
User help desk workstation:

- 1 support leg, 720 mm high, asym. foot / 565 mm deep
- 1 support leg, 1,435 mm high, asym. foot / 565 mm deep
- 1 support leg, 720 mm high, asym. foot / 705 mm deep
- 1 support leg, 1,435 mm high, asym. foot / 705 mm deep
- 2 work surfaces 1200 x 800
- 1 triangular top 80°
- 1 deposit shelf 1200 x 400
- 1 function profile with lateral fixture brackets 1200 mm
- 2 swivel arms for flat screens
- 1 Basic vertical cable channel for a height of 1435
- 2 Basic horizontal cable channels for work surface width of 1200
- 1 Basic horizontal cable channel for 90° work surface
- 1 Basic horizontal cable channel for a deposit shelf width of 1200
- 1 connection adapter for horizontal cable channel

Optional

- Mobile pedestal cabinet 800 mm deep, 3-6 HU, basic version

required surface: 6,0 m²



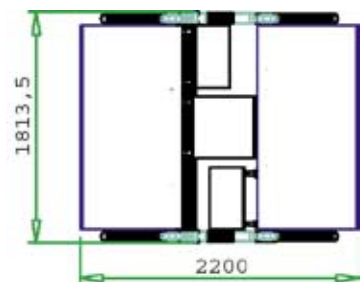
Standard configuration and testing double workstation

- 4 support legs, 720 mm high
- 2 foot connectors
- 2 work surfaces 1600 x 800
- 1 multi-functional shelf 485 mm
- 2 multi-functional shelves 485mm, 275mm deep
- 3 monitor clamps
- 2 Basic vertical cable channels for a height of 720
- 1 Basic horizontal cable channel for support leg width of 1600

Optional

- Mobile pedestal cabinet 600 mm deep, 1-3-6 HU, basic version

required surface: 4,0 m²



Multi-level configuration and testing double workstation

- 4 support legs, 1,435 mm high, asym. foot
- 2 foot connectors
- 2 work surfaces 1600 x 800
- 2 deposit shelves 1600 x 400
- 3 multi-functional shelves 485 mm
- 3 monitor clamps
- 2 Basic vertical cable channels for a height of 1435
- 1 Basic horizontal cable channel for support leg width of 1600

Optional

- Mobile pedestal cabinet 600 mm deep, 1-3-6 HU, basic version

required surface: 4,0 m²



We will gladly advise you on other configurations.

Spectro-Data[®]VISION

Control and monitoring consoles



Spectro-Data Vision control and monitoring consoles:

- Secure monitoring thanks to the clear arrangement of all of the monitors and control elements within optimum visual and operating range
- Optimum process control offering enough space for standard hardware and extensive additional equipment



Standards taken from real applications:

Areas of application:

- Production and process control
- Traffic and emergency control centres
- Facility management and security monitoring

Product Features:

- Optimum workstation ergonomics
- Electromotive height adjustment available on request

Solution advantages with Spectro-Data Vision:

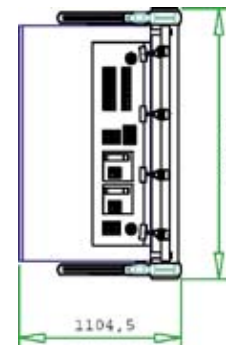
- Complex customized solutions, economically realized using standard components
- Adaptable by its modularity
- Safe integration of technology
- Efficiency and productivity achieved by ergonomic fine tuning



Compact control console

- 2 support legs 720 mm high
- 1 console work surface 1600x900
- 1 assembly frame 1600 mm
- 1 function profile 1600 mm
- 4 angular adapters for TFT flat-screen monitors
- 4 swivel arms for flat screens
- 2 vertical cable channels, 720 mm
- 2 side covers, 720 mm high for vertical channel
- 2 flexible plastic covers, 720 mm, for vertical channel
- 1 horizontal cable channel, 1600 mm
- 1 lateral PC support

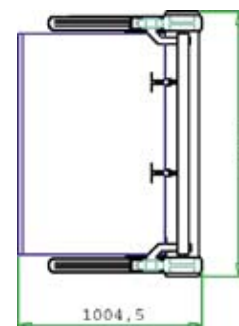
required surface: 2,0 m²



Production control console with small installation area

- 2 support legs 1,160 mm high
- 1 work surface 1200x800
- 1 function profile with lateral fixture brackets, 1200 mm
- 2 swivel arms for flat screens
- 2 vertical cable channels, 1,160 mm
- 1 side cover, 1,160 mm high, for vertical channel
- 3 flexible plastic covers 1,160 mm, for vertical channel
- 1 horizontal cable channel 1,200mm
- 1 installation area with 2 doors, 1200 mm
- 1 cover between the vertical cable channels, 1200 mm

required surface: 1,5 m²



Production control console with large installation area

- 2 support legs 720 mm high
- 2 support legs 720 mm high
- 1 work surface, 1600x800mm
- 2 foot connectors
- 1 multi-functional shelf 1600 mm
- 2 installation frames, 1600 mm, with removable covers
- 2 side covers

required surface: 3,1 m²



We would be pleased to advise you about other configurations.

Spectro-Data[®]VISION Computer console



High availability by optimal control:

- Multi-level concept for compact highly-integrated screen arrangement
- Direct link with 19" network and server cabinets
- Heavy-duty server levels

Standards taken from real applications:

Areas of application:

- Network operation centre
- Console operating, IT centres
- Test areas
- Computer controlling

Product features:

- Sturdy multi-level concept
- Space-saving, making economical use of the area above the work surface
- Optimum integration of TFT flat screen monitors, CRT monitors and other peripheral equipment on adjustable multi-functional shelves and support systems

Solution advantages with Spectro-Data Vision:

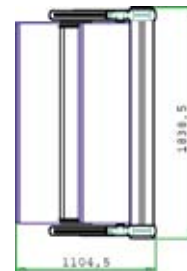
- Ergonomic arrangement of hardware and other working devices using individually adjustable work and shelving levels
- Safe installation of electric and network cabling according to VDE and European standards. Power blocks and plug-in sockets are installed in large-volume horizontal and vertical channels



Double level test control console

- 2 support legs 1,655 mm high
- 1 work surface 1600x900
- 1 deposit shelf 1600x400
- 1 keyboard tray 1600
- 2 vertical cable channels 1,655 mm
- 2 side covers 1,655 mm high for vertical channel
- 2 flexible plastic covers 1,655 mm, for vertical channel
- 2 horizontal cable channels, 1600 mm

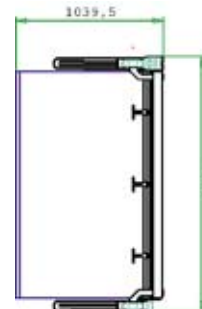
required surface: 2,0 m²



Single level TFT control console

- 2 support legs 1,160 mm high
- 1 work surface, 1600x900
- 1 function profile with lateral fixture brackets 1,600 mm
- 3 swivel arms for flat screens
- 1 Basic vertical cable channel for a height of 1160
- 1 Basic horizontal cable channel for a work surface width of 1600

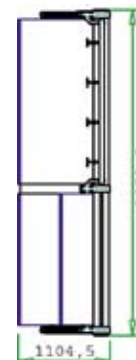
required surface: 1,9 m²



Multi-level Network control console

- 3 support legs 2,095 mm high
- 1 work surface
- 1 deposit shelf
- 2 function profiles with lateral fixture brackets, 1,600 mm
- 3 function profiles with lateral fixture brackets, 2,000 mm
- 18 swivel arms for flat screens
- 1 roll-out server shelf, 1600
- 3 vertical cable channels, 2,095 mm
- 2 side covers, 2,095 mm high, for vertical channel
- 4 flexible plastic covers, 2,095 mm, for vertical channel
- 3 horizontal cable channels, 1600 mm, standard design
- 3 horizontal cable channels, 2,000 mm, standard design
- 1 horizontal cable channel, 1600 mm
- 1 horizontal cable channel, 2,000 mm
- 1 worktop infill, 900 mm

required surface: 4,4 m²



We would be pleased to advise you about other configurations.

Advantages at a glance

Flexibility – investment security - efficiency



1. Flexibility – investment security

The system grows according to your requirements - step by step

The extremely high stability allows an easy and vibration-free integration of the hardware components. SPECTRO-DATA Vision will also meet the demands of the next hardware generation and thus offers long-term investment security.



2. Economy of office space – cost reduction

Variable multi-functional shelving – offering flexibly-adjustable height and angle – allow for optimum use of office surface and space available. With the height being adjustable up to 2095 mm and by means of the additional precision height adjustment, the room height is optimally used. The result is up to 60% more usable working and shelving surface.



3. Ergonomics - productivity

The height of the worksurfaces and deposit shelves can be individually adjusted. Different worksurface depths and intelligent add-on elements allow the system to be optimally adapted to suit different body measurements and work procedures. The ergonomic quality of the workplaces thus forms the basis for productive and untiring work.



4. Technology / cable management – functional safety

The highest demands on availability placed on today's IT systems can only be achieved by an integration of technology which is functionally safe. Spectro-Data Vision offers tested safety and complies with the most recent workstation and safety standards. The modular cable management system can be manually adapted at any time, not requiring any tools, to suit changing volume requirements. It complies with the VDE and European guidelines and easily integrates power blocks, plug-in sockets and small devices in a safe way.

SPECTRO-DATA Vision turns workstation visions into reality.

Spectro-Data Vision was consistently designed to meet the demands of technically-orientated office workstations. This led to the creation of a fascinating "modular kit system" which allows completely new workstation solutions to be achieved by technical innovations : workstations which are modular, flexible, economic on space and thus absolutely future proof.

The best in technical workstation solutions.

High-tech workstations place the highest challenges to a furniture system: SPECTRO-DATA Vision meets these challenges: the tremendous stability allows heavy-duty applications; the multi-level concept offers high-density integration of hardware and other devices using reduced space. The exemplary cable management ensures proper and safe installations. And changing team or project structures are easily realized, since the workstation layouts can be modified without any problems.

Ergonomics require economical solutions

Modern working environments place the highest demands on the furniture systems used to realize their structure. SPECTRO-DATA Vision is the solution which interlinks efficient workstation organisation with a maximum of flexibility.

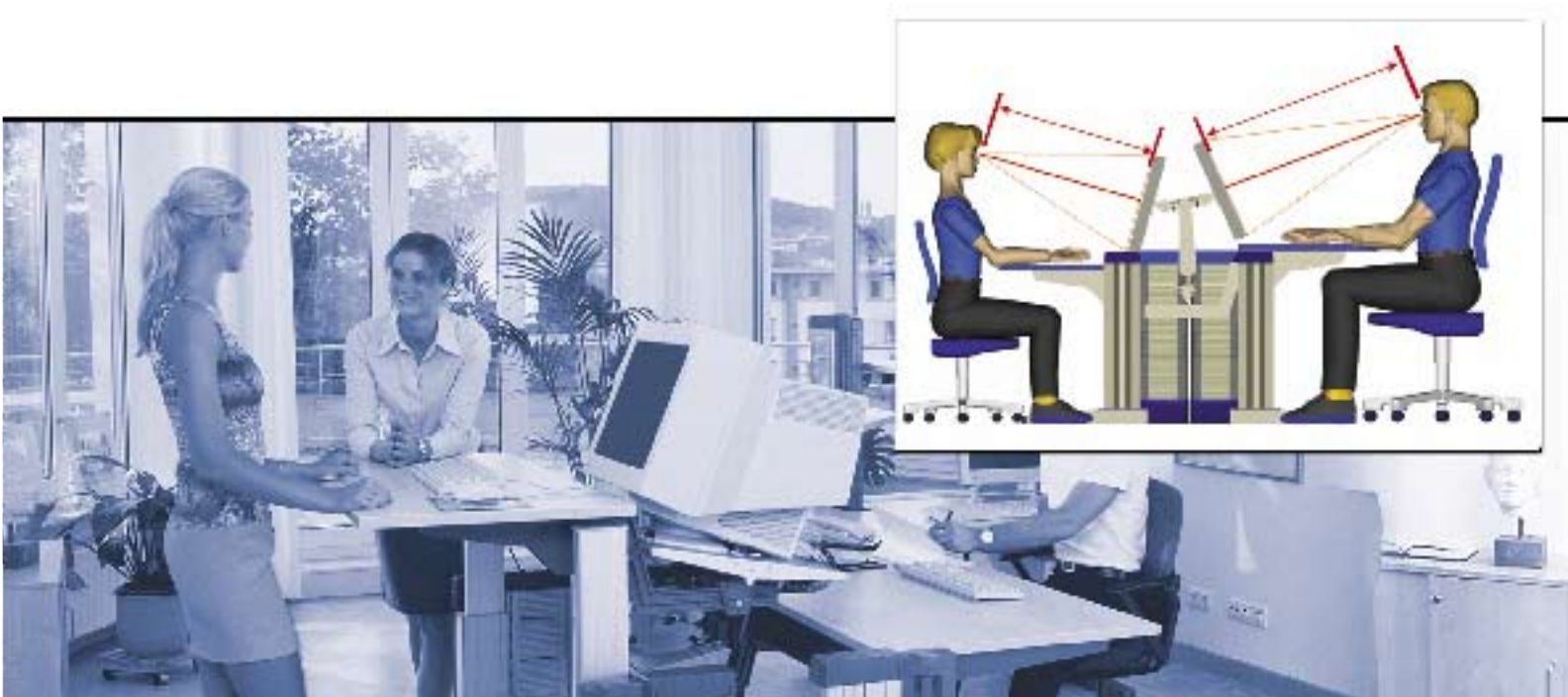
Lampertz innovative technical workstations use a logical combination of the SPECTRO-DATA Vision modules to achieve configurations that are unique: Tailor-made configurations, which allow the user to work ergonomically while making efficient use of the space available.

Thus, a unique integration of technology – even if only reduced space is available - is logically complemented by the facility of modifying workstation layouts – precisely according to your flexible project or team structures.

Let us show you how Lampertz workstation solutions...

- make optimum use of room and surface space
- achieve higher productivity by the functional integration of hardware components
- provide functional safety by optimum cable management
- quickly adapt to changed hardware
- arrange work surfaces ergonomically
- easily adapt to changed work-flow

...to create perfect working environments for our customers.



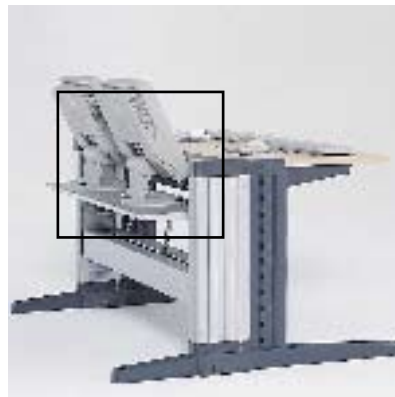
Multi-functional modules – optimum surface use



Really brilliant: The multi-functional shelving.

Multi-functional shelving offers three convincing advantages:

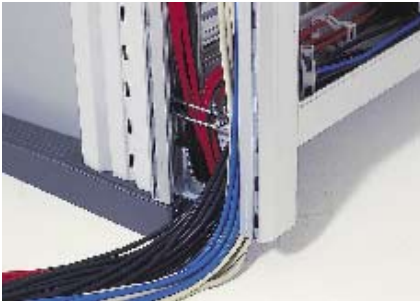
- The **height-adjustment** feature allows different sizes of hardware to be easily integrated.
The result is an ergonomically excellent usability placing everything within convenient reach.
- The **inclination-adjustment** of the shelves allows each monitor to be placed within the optimum visual angle. This prevents from muscular tensile problems in the neck muscles.
- The **distance-adjustment** means that monitors, fax machines and printers can be positioned easily within the optimum reaching and visual distance - without occupying any space on the work surface.



Really ergonomic: The screen integration.

- Flat screens with base can be ergonomically integrated on rear and upper shelves.
- For flat screens (without base or with removable base) with fixing devices according to VESA standards, an intelligent support system was developed which easily allows multi-level solutions too.
- Sturdy support arms with integrated cable guide for flat screens allow the screens to be positioned quickly and individually.

Perfect cable management – system within a system



Vertical cable channel with cable guide



Vertical cable channel with lateral cover



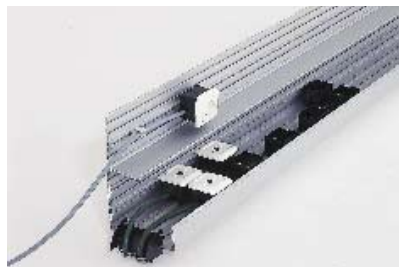
Simple upgrading without the use of tools



Intelligent networks – quick and safe cabling on the open system



Multi-level cable channel



Cable channel with installation sockets



Cable channel profile system

Integrated connection up to the last bracket. Creating the cable management system of SPECTRO-DATA Vision, every detail was considered: "Growing" cable channels offering different volumes are installed vertically and horizontally and integrate large cable volumes, as well as power blocks and installation sockets.

This way the cables are guided invisibly and safely until just before the connected device. This is proper, functionally safe and avoids failures. Free height adjustment and unlimited access from all sides contribute to the functional safety.



Cable channel with rear panel screen



General accessories

Cabinets / mobile pedestal cabinets / suspension cabinets/ dividing wall system



Technical accessories

19" cabinet / 19" under-table housing / keyboard trays / lateral server support



Accessories - Appropriate additions for man and technology

Intelligently complementing existing solutions - perfectly structuring the working environment.

SPECTRO-DATA Vision enjoys the same individuality as its users. A wide range of intelligent equipment options and carefully selected accessories make it easy to equip each workstation individually and customized.

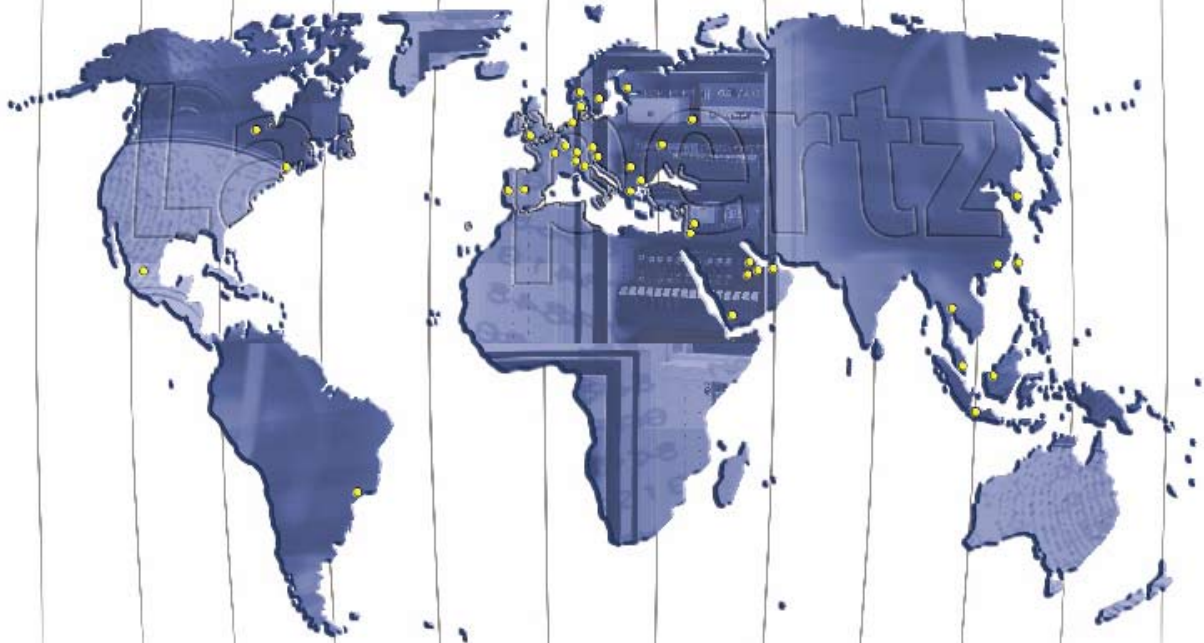
Lampertz can provide you with all of the necessary additions which become useful when designing your workstation and can integrate into an optimum and complete solution:

- Heavy-duty roll-out server shelves with safe cable guidance
- Keyboard trays and drawers
- Seamless integration of 19" technology out of the comprehensive RITTAL modular system
- Cabinet systems for storing documents and work materials
- Suspension cabinets for creating storage space within direct reach
- Mobile pedestal cabinets for personal utensils at the workplace
- Office chairs
- Grid shelves to be attached to the support leg
- Telephone swivel arms to be attached to the support leg
- Dividing-wall systems for structuring rooms and as visual protection screen
- Lighting
- Mobile hardware carts
- Double floors
- Electrical equipment

h / telephone swivel arm / grid shelves / lighting

/ heavy-duty server shelf

We're there for you – all over the world.



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