



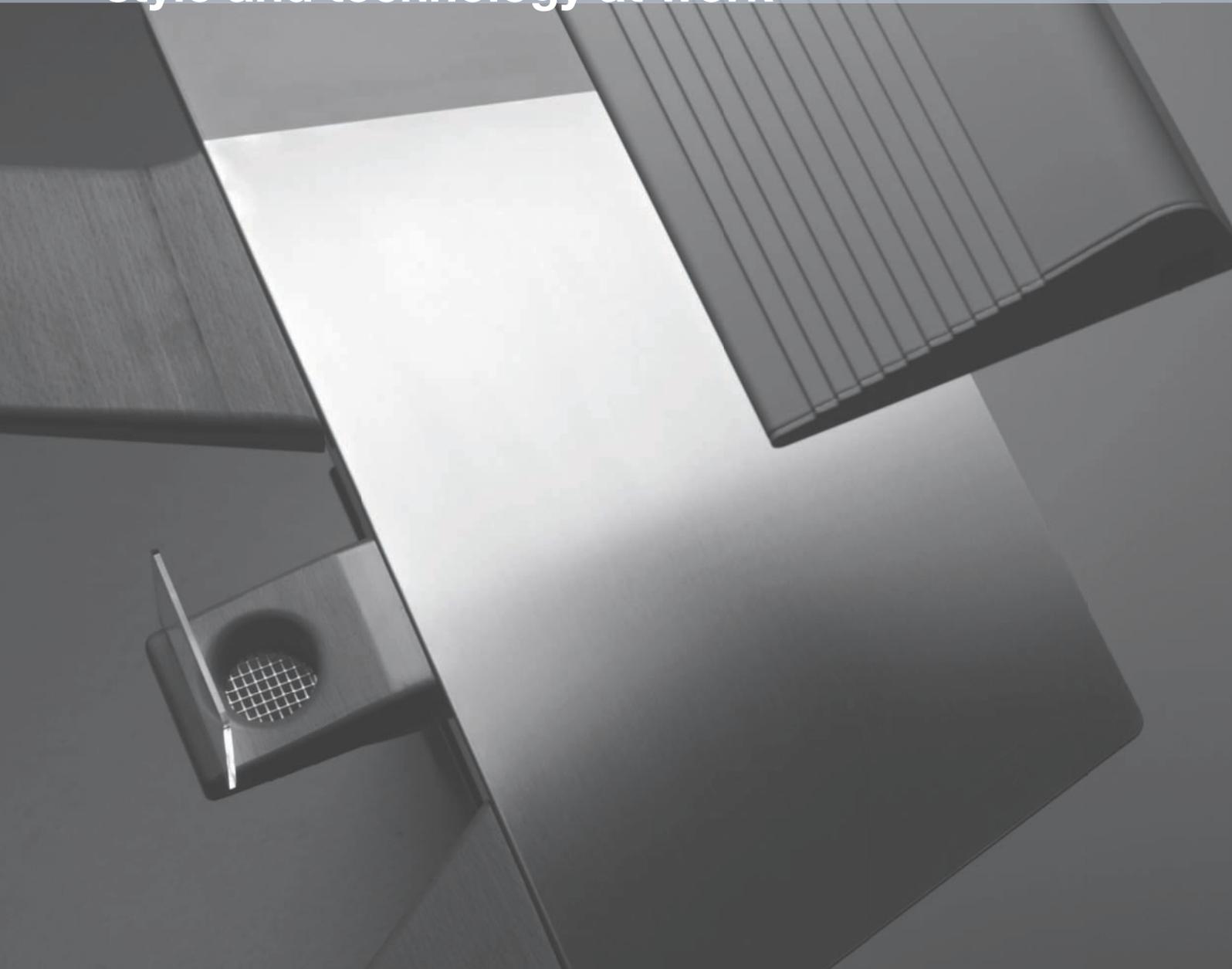
dentalArt



lab area:

# lab\_penta\_g.lab

style and technology at work





sperimentare

visione

get it right

migliorare

**dentalArt: ideas, action, inspiration, everyday work**

co

listen & re-th

ascoltare

sit back and enjoy

ssione

analizzare

esperienza

realizzare

tecnologia

test, test, test

cambiare prospettiva

redesign

build and build it again

## work benches:

### 06 lab line

Simplicity, modularity, customization: the Lab line work benches are practical and ergonomic, designed to provide the maximum freedom of choice with the maximum reliability. Our "Lab" line demonstrates all the technical quality that is dentalArt's trademark.

### 16 penta line

Top design and functionality. The Penta line work benches are designed for larger work spaces and for added value, including in terms of image. Modular and customizable, they are designed to suit all accessories and constructed with the highest quality materials, constituting a new "evolutionary leap" in the technology.

## suction system:

### 26 dustinet

A revolutionary suction system designed for dentalArt work benches but adaptable to all other models on the market. It does not have the classic dust bag since the dust is collected in a capacious metal container. The filter protects the motor and restores clean air to the environment.

## complementary furnishings:

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### 28 g.lab line

A complete and exclusive collection of furniture and fittings for Lab and Penta work benches: versatile furniture and fittings designed to fit into any kind of working environment and to adapt to the needs of all professionals, thanks to specific accessories for all types of activity.

line:

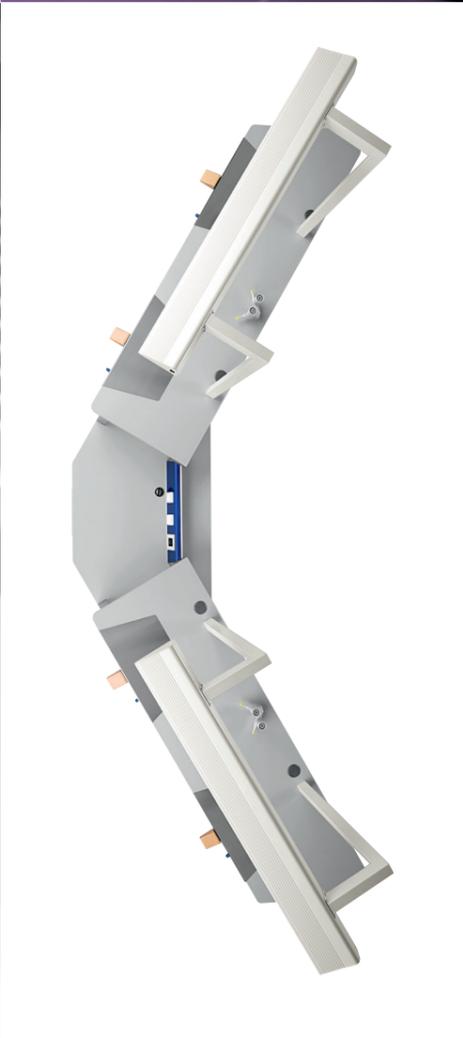
# lab

# lab

What you see is. Simply. A basic, solid, linear work bench. A concept based on precision and concreteness: to provide the greatest freedom of choice – in the colours, modules and accessories – as well as complete reliability. Height-adjustable lamps, a foldaway monitor, smooth, silent roller-runner drawers: every instrument is there, just where you expect it, so that you can find everything without having to look for it, with the utmost comfort. Customizable and modular, Lab is designed to last, to grow with you and to adapt perfectly to your work, like an ideal extension of your mind. And your arms. In the care paid to every detail, the ease of installation and cleaning, Lab expresses all the technical quality that is dentalArt's trademark, with furniture that embodies its "credo". Lab, by dentalArt: sure of you.



**lab: technical nature.**





lab: the natural order of things.



## 1. lamps



1.1 49W lamp for single station bench (LAMPH + RM4)  
 1.2 lamp with 2 55W-neon and metal shelf, for double station bench (LAMPH2)  
 1.3 2x24W lamp with adjustable light, for single station bench (LAMPL)  
 1.4 2x24W lamp with height adjustable arm (LAMPB)  
 1.5 2x24W lamp with height adjustable arm and rotating articulation (LAMPBS)

## 2. worktops



2.1 grey laminate worktop (X5L)  
 2.2 beech worktop (RF1L)  
 2.3 pearl Corian® worktop  
 2.4 gris expo Silestone® quartz worktop (QTL)

**lab: modules, accessories, functions. So you can always find the best solution for your work.**



3.1 grated side panel (PQ)  
 3.2 retractable screen under the worktop (X10ML)

## 5. suction



5.1 single suction system DUSTINET with electronic speed governor (ASPG)  
 5.2 frontal suction system with magnetic peg and safety screen (GRAF)  
 5.3 suction peg (CASP)  
 5.4 wooden armrest (APBR)  
 5.5 polyurethane foam armrest (APBRG)

## 4. stool



4.1 stool with gas spring, beech seat and back (125FE)  
 4.2 stool with gas spring, shaped beech seat and back (125FS)  
 4.3 stool with gas spring, black polyurethane seat and back, base in bright aluminium (126DE)  
 4.4 stool with gas spring, beech seat and back with black padding, base in bright aluminium (126DF)

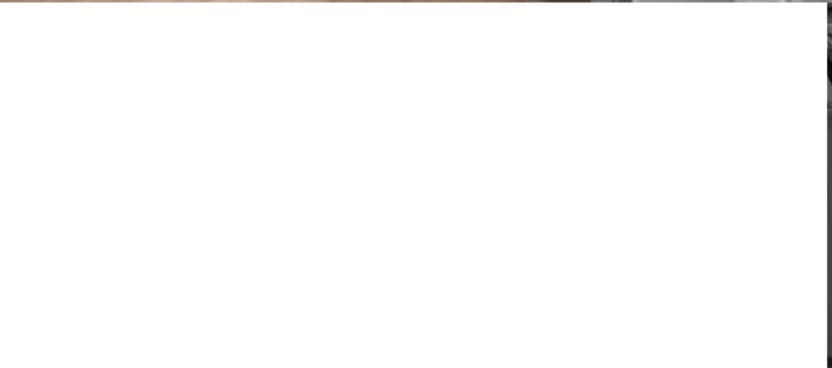
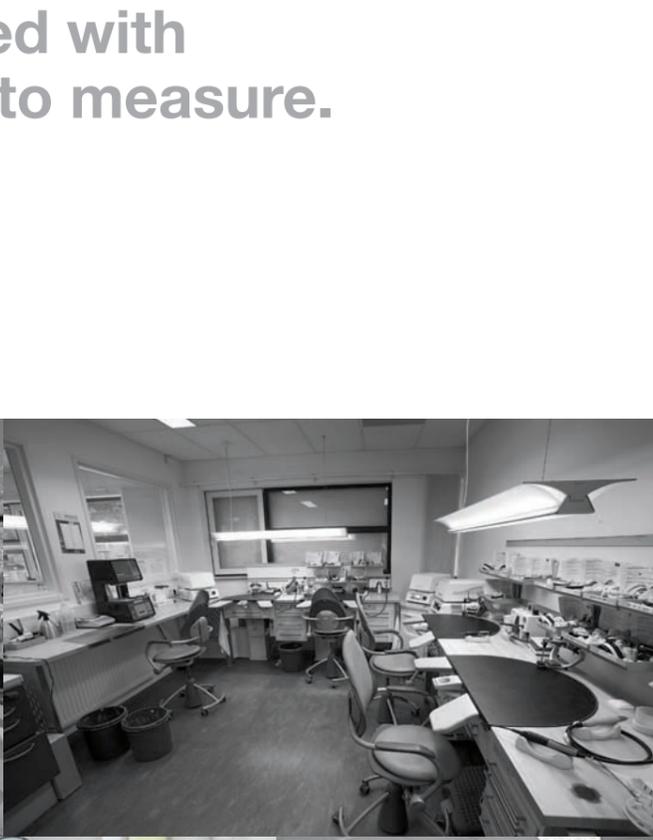
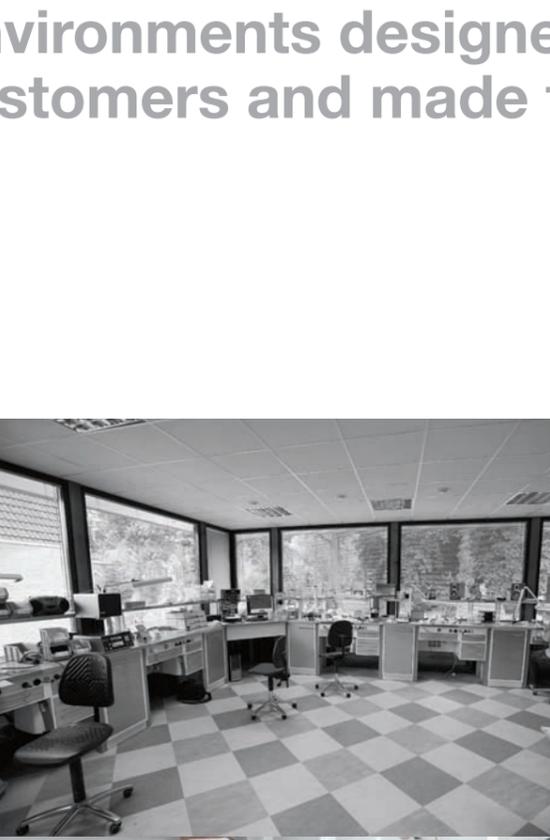
## 3. accessories



3.1  
 3.2



**lab:** environments designed with our customers and made to measure.



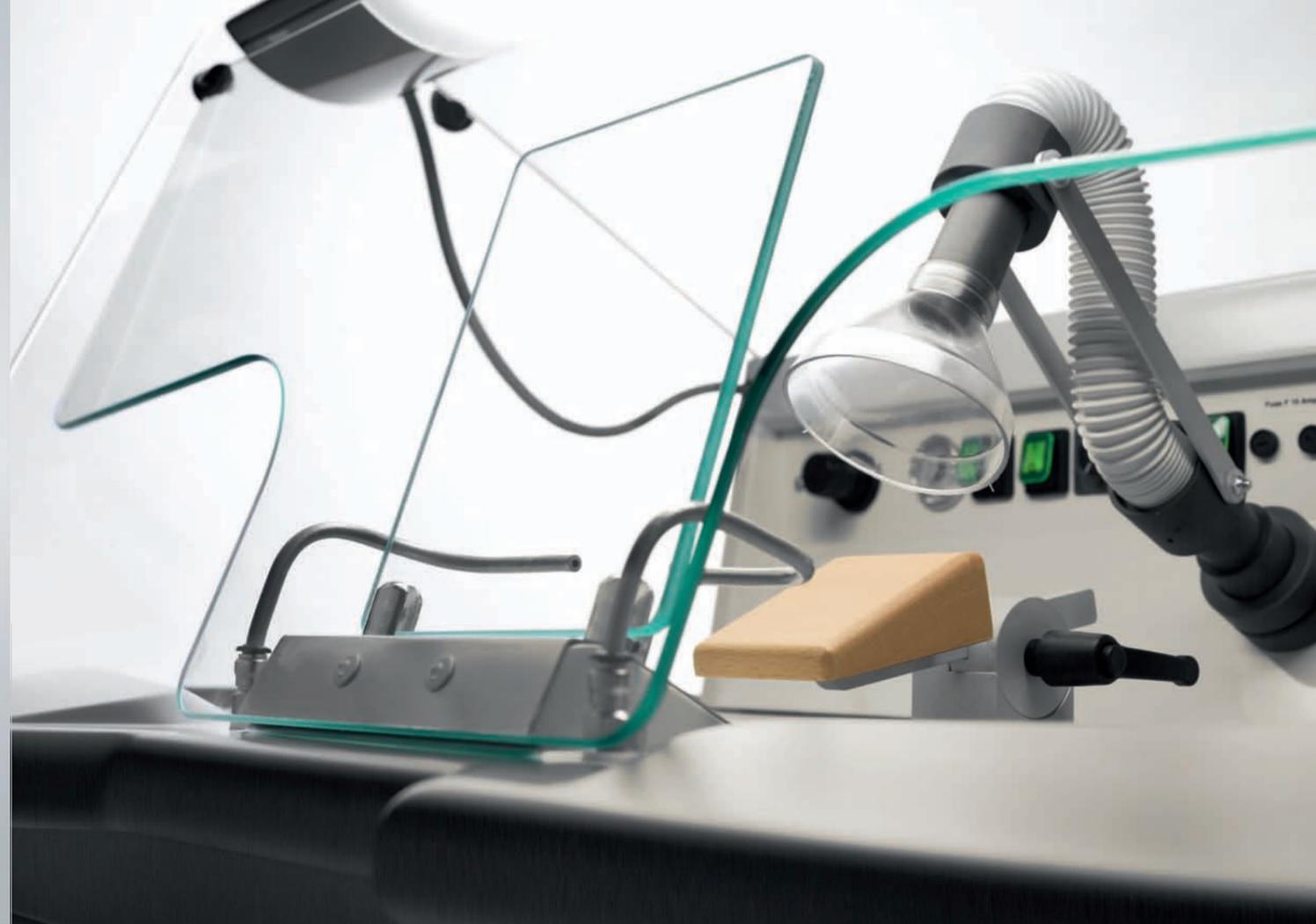


**penta: giving more value to the technology, more space to the design.**

Something special. Because your talent is special and it is worth the very best. Available in two models – narrower and wider – in order to suit all environments, the Penta work benches are designed to accommodate all accessories and are ready to fulfil all your wishes and to stay with you over time. The materials are of the highest quality, with soft and innovative shapes, highly advanced technological solutions and an almost infinite range of modules, colours, accessories and customizations: designed to furnish even the largest environments with rigour and rationality and to enhance your professionalism. Lamps fixed to the work top, with adjustable heights; roller-runner drawers; an anatomically designed front to the first drawer so that it can be used as an arm-rest; a technical channel as standard; integrated footrests; anodized aluminium or painted handles; a streamlined bench: these are just a few of the features that make these work benches unique and unmistakable. A triumph of design and the purest expression of functionality, Penta will make your work environment more beautiful, harmonious and comfortable. Penta, by dentalArt: the most highly evolved image of technology.

line:

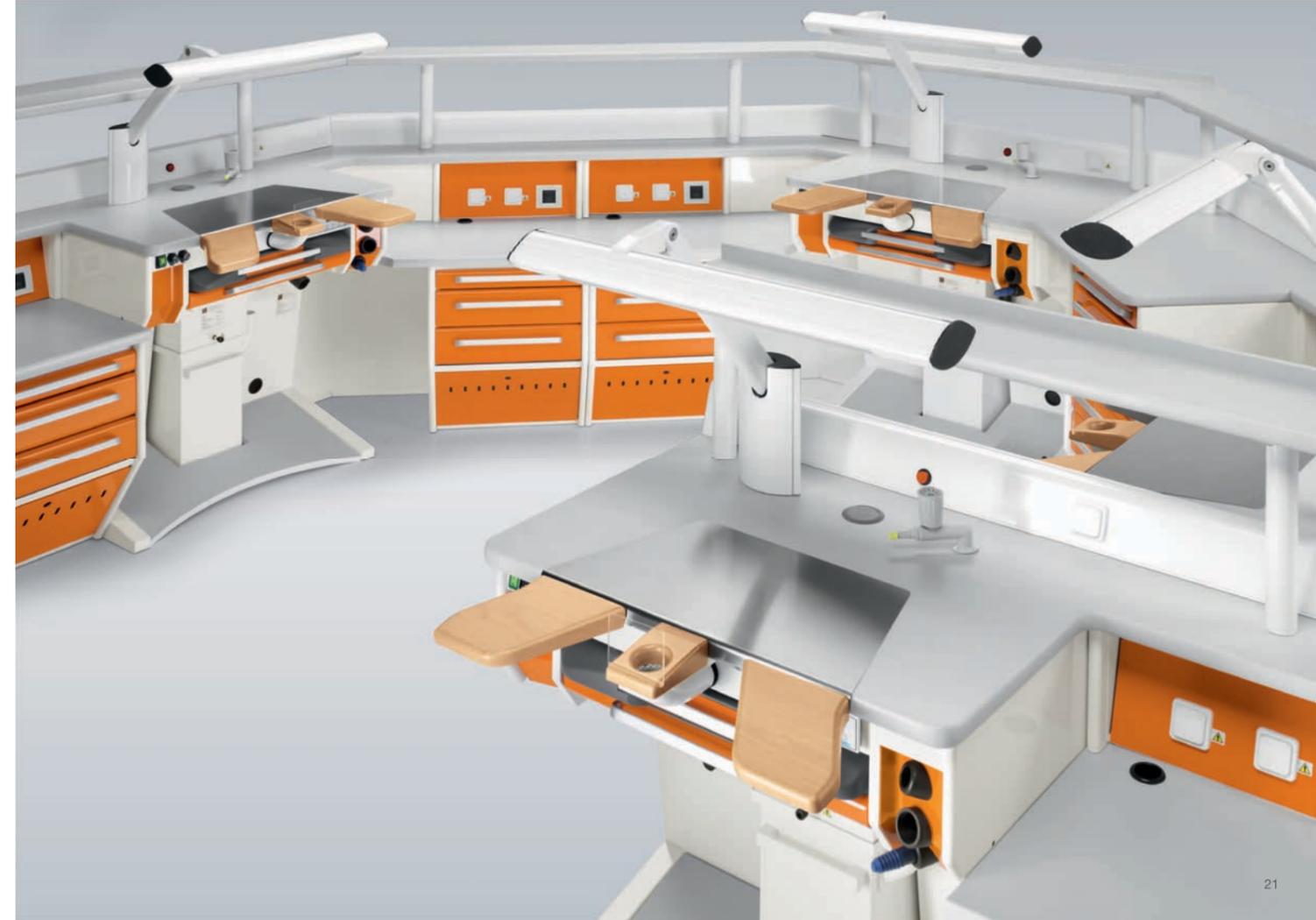
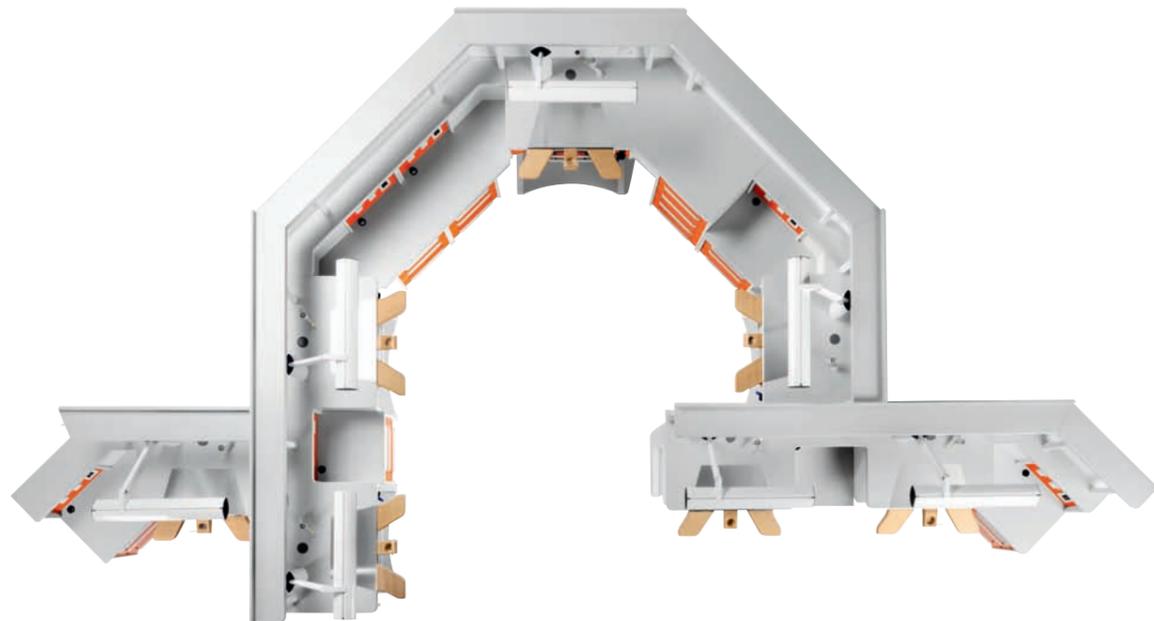
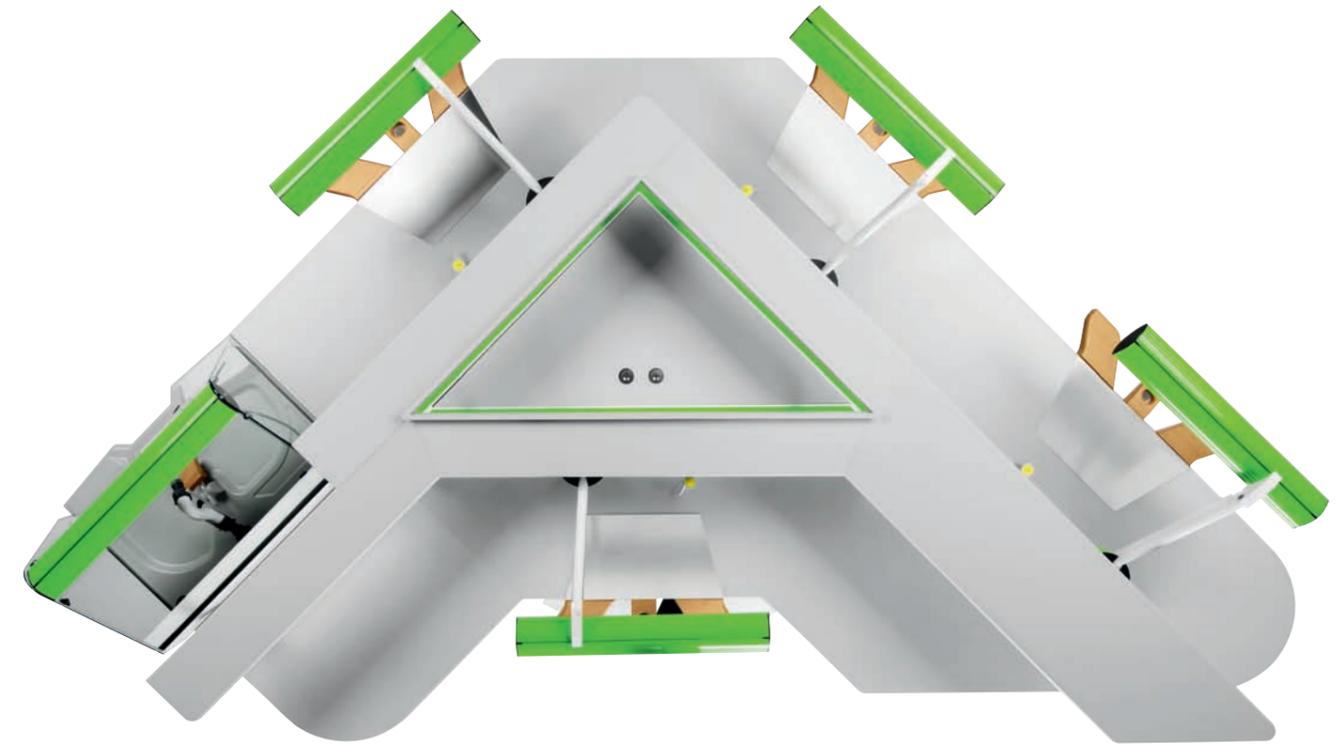
**penta**



**penta: everything in its place.**



penta: modular concept.





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 1.2 lamp with 2 55W-neon and metal shelf, for double station bench (LAMPH2)  
 1.3 2x24W lamp with adjustable light, for single station bench (LAMPL)  
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1. lamps

4. suction



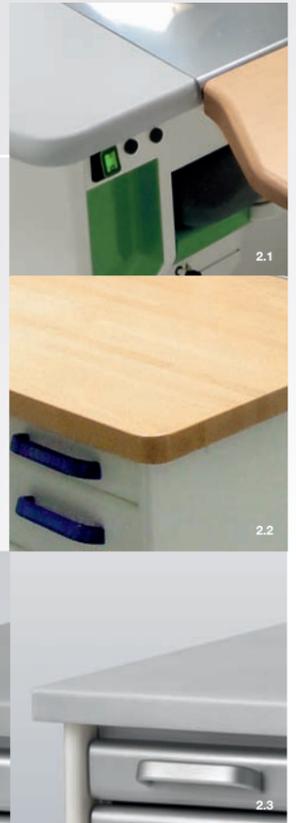
4.1 single suction system DUSTINET with electronic speed governor (ASPG)  
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 4.4 wooden armrest (APBR)  
 4.5 polyurethane foam armrest (APBRG)

**penta: modules, accessories, functions. So you can always find the best solution for your work.**



2. worktops

2.1 grey laminate worktop (X5L)  
 2.2 beech worktop (RF1L)  
 2.3 pearl grey Corian® worktop  
 2.4 gris expo Silestone® quartz worktop (QTL)



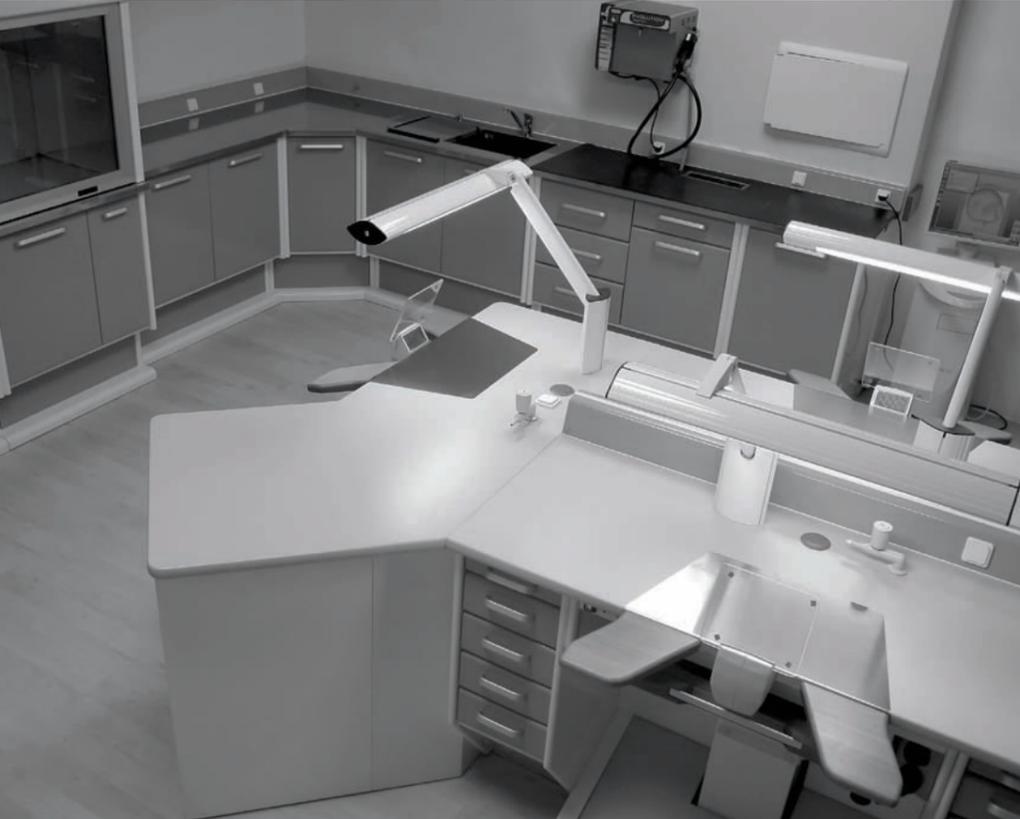
3. stool

3.1 stool with gas spring. Beech seat and back (125FE)  
 3.2 stool with gas spring. Shaped beech seat and back (125FS)  
 3.3 stool with gas spring. Black polyurethane seat and back, base in bright aluminium (126DE)  
 3.4 stool with gas spring. Beech seat and back with black padding, base in bright aluminium (126DF)





**penta:** workspaces designed with our customers and made to measure.



**Dustinet: the revolutionary suction system. So you can forget about emptying the dust bag.**

# dustinet

**Practical and ecological:**  
because without a dust bag,  
the filter lasts longer.

**Filter:**

The secret is in the filter. This is not the classic dust bag that has to be periodically replaced, but a system that protects the motor and filters the air in the environment. It can be cleaned simply with a paintbrush, so it stays fully efficient for longer. And of course this means that maintenance costs are drastically reduced too. The dust is collected inside a capacious metal container that is easy to remove, empty and put back into position.

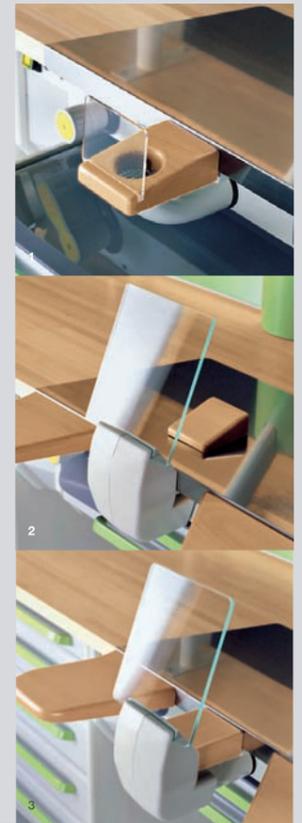
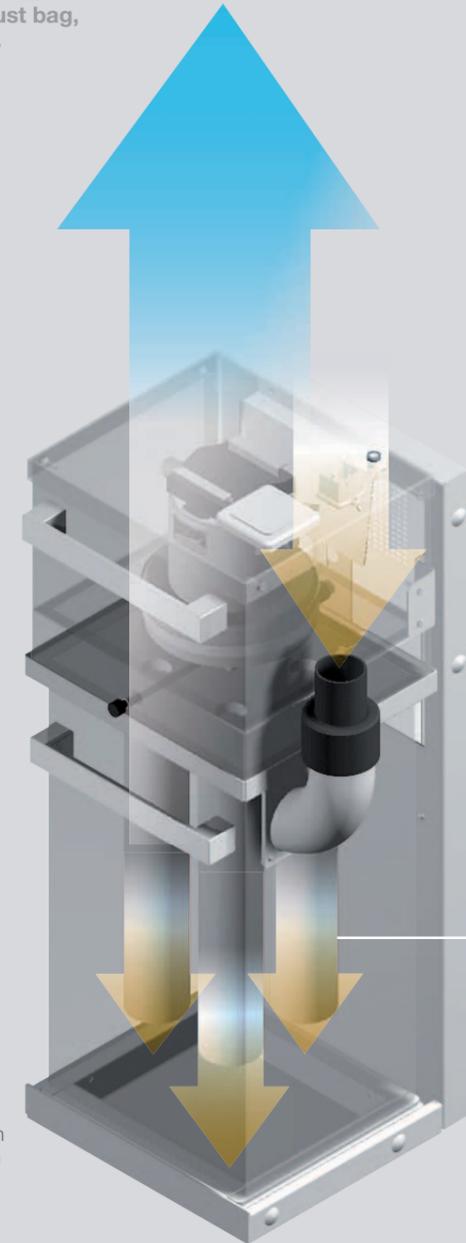
**Technical details:**

Filtering capacity  
99.99% at an air  
speed of 0.056 m/s.  
Filtered surface.:18.8 dm<sup>2</sup>  
BIA certified no.  
9706730/6210

**Electronic details:**

Designed to operate with the various micromotors available on the market (max power consumption 300 Watts).

- 3 levels of regulation of volume of aspirated air 20-30-40 l/sec.
- automatic start-up of suction with the micromotor
- worn motor brushes warning (first replacement after 850 working hours)
- clogged filter warning with interruption of suction and micromotor operation
- manual setting or automatic memorization for different models of micromotor



**Suction pegs:**

**1. CASP:** Wooden suction peg with Plexiglas protection screen, for working with the collection drawer open.

**2. GRAF:** frontal suction peg with glass protection screen and wooden support. This peg is particularly suited to work on the metal plate on the work top.

**3. GRAFC:** frontal suction peg with glass protection screen and wooden support between the peg and the work top. This model of peg integrates the requirements of work on the metal plate and work with the waste drawer open.

**Gold filter:**

Designed to recover dust from precious metals. The filter is inserted into the suction tube immediately after the peg, so that metal is not dispersed along the suction tube.

Dustinet is the dentalArt designed suction system. It is revolutionary because it has unprecedented construction and functional features and ensures a level of working comfort never before experienced. The perfect complement for all dentalArt work benches, it is adaptable, with simple accessories, to all models currently on the market.



**Suction:**

Versions for dentalArt work benches:

**ASPG:** Standard suction for dentalArt benches

**ASPGA:** Self-cleaning suction for dentalArt benches. Ideal for continuous and intense work since the activation of a blast of air using the foot pedal allows the filter to be cleaned without interrupting the operator's work.

Universal version:

**ASPGV/ASPGA:** Universal suction applicable to any work bench

**Technical characteristics:**

Dimensions	L=30 H=66 D=27cm
Weight	18 Kg
Noise	66dB(A)
Suction motor power	1200W
Air capacity when empty	20-30-40 l/sec
Standard colour	white WA005
Internal diameter of suction pipe	4cm
Input fuse	315 mA on board - 6,3 A on motor

line:

# g.la

## **g.lab: special complementary furnishings for your laboratory.**

with dentalArt's wealth of experience we have created a complete and exclusive collection of furniture and complementary furnishings for the Lab and Penta work benches: these versatile furniture and furnishings are designed to be included in any kind of work setting and to be adapted to the requirements of all professionals, with the help of specific accessories for all kinds of activities (plaster casts, suction hoods, etc.). The rear opening, protected by removable panels, facilitates access to the walls and thus to the electric sockets, cables and connections. The bases of the benches can also be removed, for easier and more efficient cleaning. All the furniture can be installed on plinths or integrated into the structure; they can also be personalized in terms of size, colour and the availability of work surfaces. "Soft" clasps and hinges, making all movements soft and silent, and optional wall cabinets enhance this range, that fully meets dentalArt's high standards of quality. The furniture, already on the production line, comes provided with the connections for final installation, based on the construction characteristics and the client's requirements.

# lab





**g.lab: simple practicality.**





1. stainless steel fume cabinet with air extractor fan with metallic filter and arrangement for active carbon filter (GK2)



2. stainless steel hanging fume cabinet, air extractor fan with potentiometer and metallic filter (KP1)

**g.lab: personalization**  
is always the key  
word with dentalArt.



3. welding station trolley (GKS)



5.1

5.1 table for polishing unit (GT) 5.2 suction system with double polishing unit, with lamp and splash-proof shatter-proof glass (ALPBC)



5.2



4

4. built-in stainless steel gas burner (KS4)



1.1 closed lower plinth  
1.2 aluminium bearing structure (GSTP)

1. structure



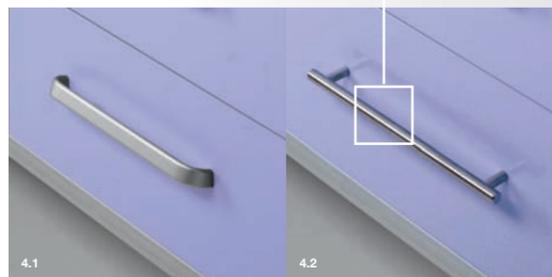
2. worktops

2.1 grey laminate worktop with stainless steel sink (X5L+KS1)  
2.2 beech worktop (RF1L)  
2.3 quartz worktop (QT) with stainless steel sink and support for model trimmer (R7+GSQ)  
2.4 stainless steel worktop and sink (RP1+R6)

**g.lab: modules, accessories, functions. So you can always find the best solution for your work.**



4. handles



4.1 handle combined with PENTA benches  
4.2 handle combined with LAB benches

5. plaster traps



5.1 plastic plaster trap (VD1)  
5.2 stainless steel plaster trap (VD3)

3. accessories

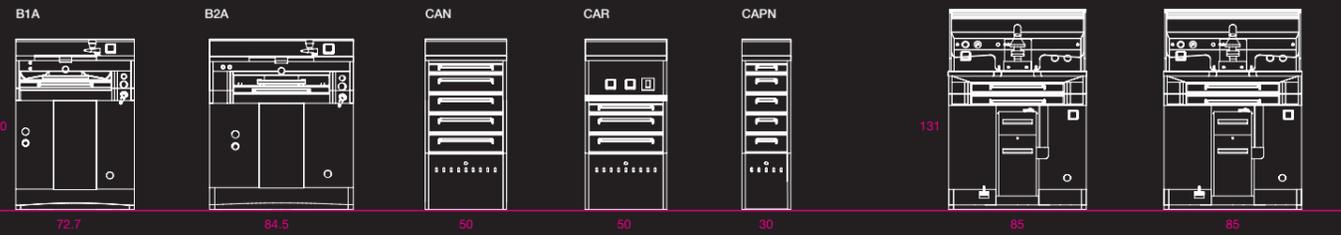


3.1 wall cabinet with door and 3 height adjustable shelves (V8)  
3.2 any G-LAB cabinet can be turned into a mobile cabinet with GX6 kit  
3.3 carrello portalavori (CRP)  
3.4 trolley for articulator inserts (BPA12, BPA24)  
3.5 articulator insert. Colours: white, red, yellow, green, blue (BPA)

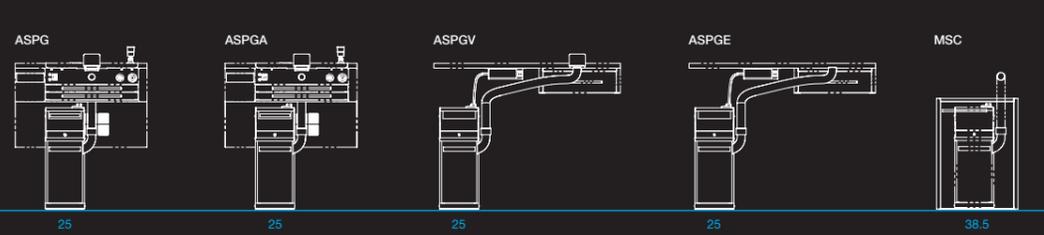
**lab work benches**



**penta work benches**

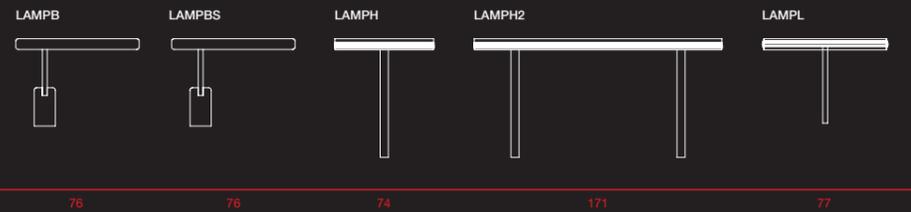


**dustinet**

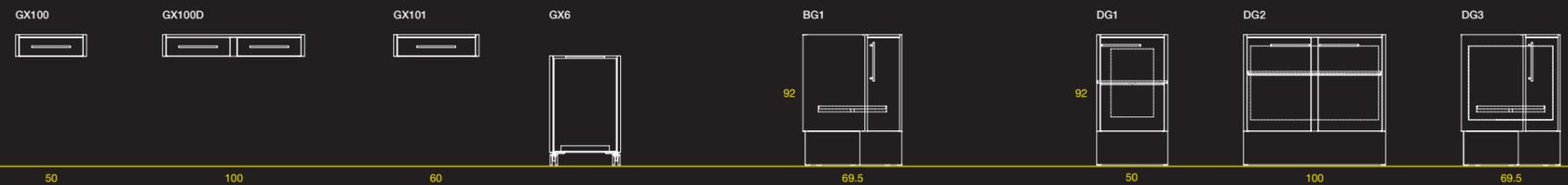


**It's up to you now. Take the measurements and choose the modules you need to create your ideal laboratory.**

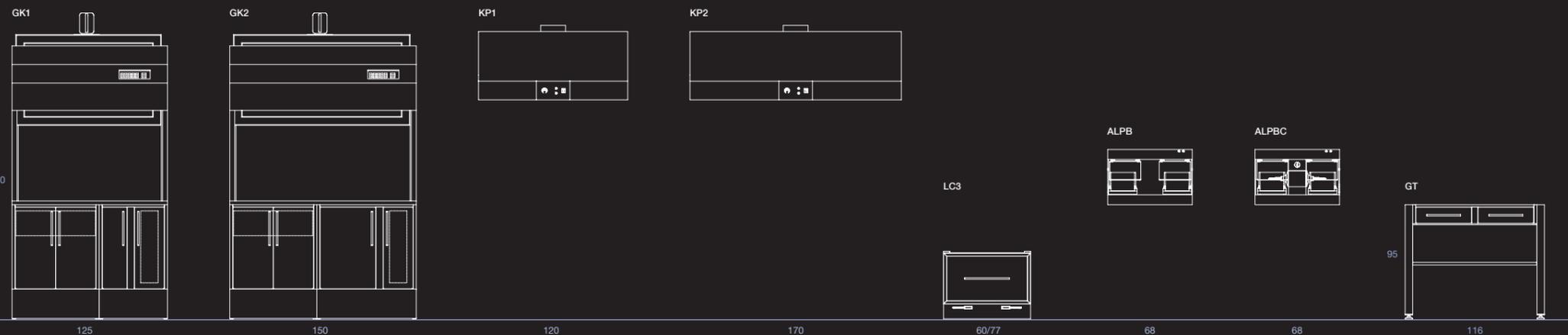
**lamps**



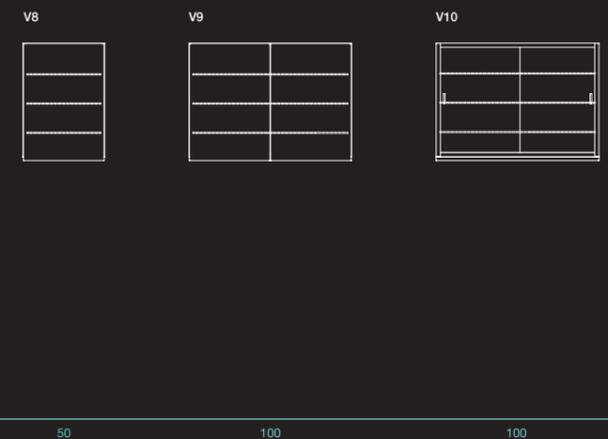
**g.lab storage cabinets**



**fume cabinets and polishing units**



**wall cabinets**



# dentalArt: all-Italian products. Proudly so. Responsibly so.

idea

An approach to business inspired by solid values. A strategic choice of Italian excellence as a distinctive feature. A close bond with its territory. A "zero-kilometre" production policy, with 90% local suppliers of raw materials, managed entirely internally and subjected to the strictest quality control standards. A social and ethical sensitivity with SA8000 certification. This too is dentalArt.

## pre-sales and design service

## design and planning

### 3D rendering

Each project comes with a photorealistic rendering of the final result.

## production

### ★ EQA

**1. raw materials quality control** All raw materials are subjected to meticulous quality control to certify their suitability for production.

### 2. punching

Automated. Controlled by a CAD-CAM system: the individual parts of each unit (furniture, facings, and so on) are obtained from sheet metal.

### 3. bending

Automated. Performed by a special sheet-bending robot.

### ★ EQA

**4. dimensional checks** After bending, the elements are subjected to dimensional checks to ensure they correspond to the original drawing.

### 5. welding

Automated. Each stage is performed by an anthropomorphic robot.

### ★ EQA

**6. destructive test** On random samples. Verification of the resistance of the welding, which must remain intact even after a corner of the element has been crushed to the point where the sheet metal breaks.

### ★ EQA

**7. sanding** Performed by hand. The quality of the finish on dentalArt products is significantly enhanced by the manual work of specially trained operators.

### 8. powder coating

Semiautomatic. All items made in the workshop are painted in the epoxy-powder coating plant.

### ★ EQA

**9. thickness and resistance testing** On random samples. The quality of the coating is monitored by measuring its thickness and testing the resistance of the film. The layer of paint must remain intact on a sample piece subjected to bending and torsion.

### 10. liquid coating

All colours other than WA005 white receive a further coat of liquid paint, as in the automotive industry.

### ★ EQA

**11. assembly** Each element is assembled with all its components (frame, base, drawers, doors, accessories). All the individual quality-control, functional tests, and electrical-safety tests are carried out.

### ★ EQA

**12. testing and assembly** All the elements for a particular order are assembled, simulating the final installation.

## After-sales service

- Technical consulting
- Elements can be added and/or modified even years after the first installation
- Spare parts always available

delivery



EQA (Excel Quality Assurance) is dentalArt's guarantee of the quality of its products and it covers all processes involved in production. EQA puts in print a deeply rooted tradition of dentalArt: concentrating entirely on product quality, introducing quality-control procedures for raw materials and components, and checks during and after production.

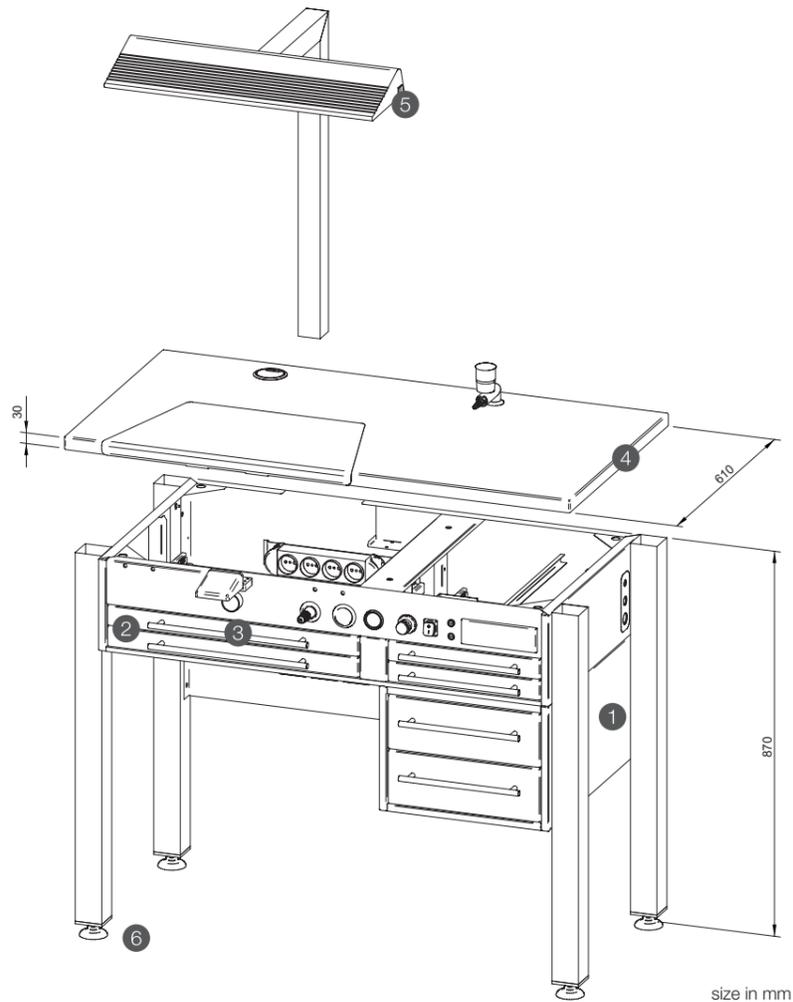
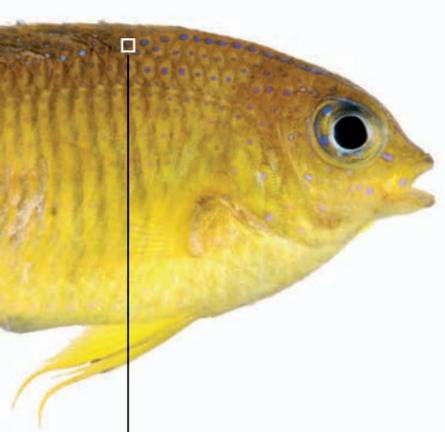
# specifications and customisation

dimensions, materials, options, and colours

## lab

	standard	on demand
1 frame	colour: white WA005	colour*: any metallic colour*: any
2 fronts	colour: white WA005	colour*: any metallic colour*: any
3 handels	stainless steel	
4 worktop	laminat, beechwood, Corian®, Silestone® quartz	
5 Lamps	colour: white WA005	
6 foot	adjustable (+/- 11mm)	-

\*colour: when we say "any" we really do mean "any".

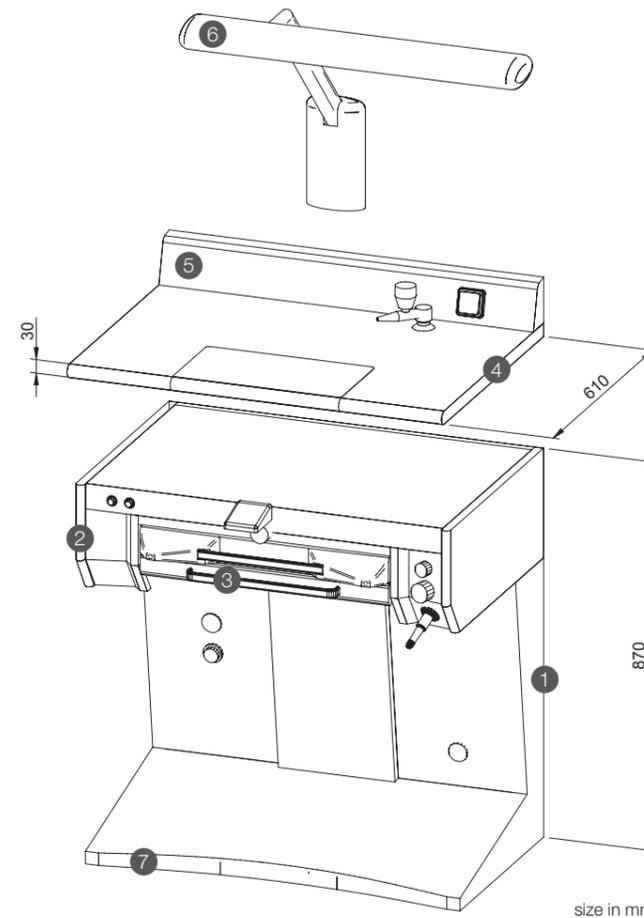
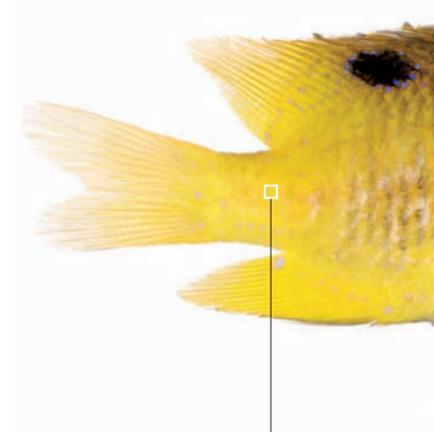


C60 / M53 / Y00 / K00

## penta

	standard	on demand
1 frame	colour: white WA005	colour*: any metallic colour*: any
2 fronts	colour: white WA005	colour*: any metallic colour*: any
3 handels	anodized aluminium	colour*: any metallic colour*: any
4 worktop	laminat, beechwood, Corian®, Silestone® quartz	
5 technical canal	colour*: any metallic colour*: any	
6 Lamps	colour: white WA005	colour*: any metallic colour*: any
7 foot	adjustable (+/- 11mm)	-

\*colour: when we say "any" we really do mean "any".



C00 / M20 / Y100 / K00

# specifications and customisation

dimensions, materials, options, and colours

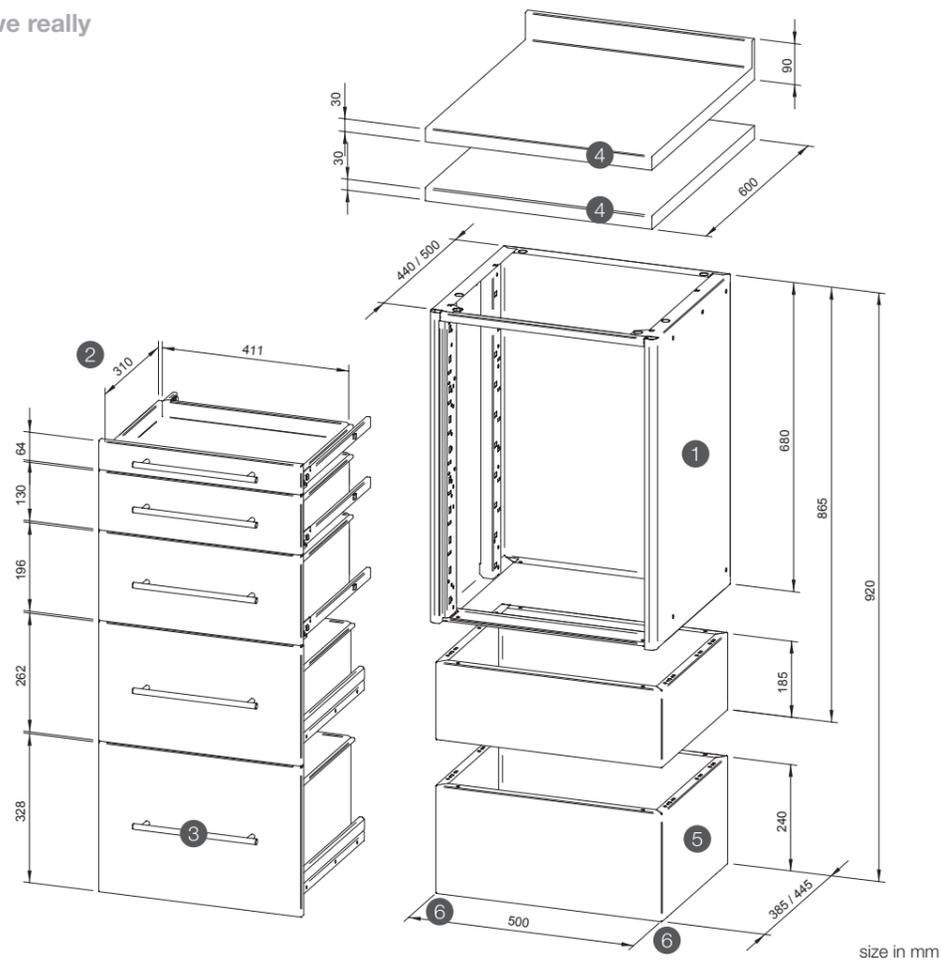
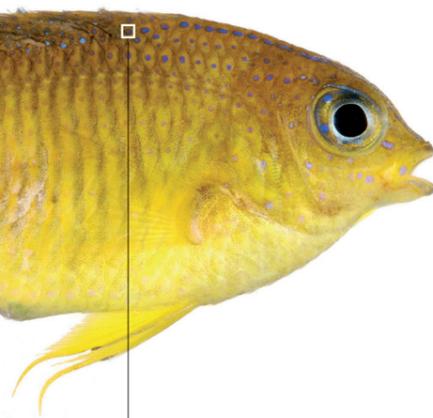
## g.lab

**standard**

**on demand**

	standard	on demand
1 frame	colour: white WA005	colour*: any metallic colour*: any
2 drawers	dimensions: from T1 to T5 fronts colour: white WA005	colour*: any metallic colour*: any
3 handels	anodized aluminium, stainless steel	colour*: any metallic colour*: any
4 worktop	laminated, beechwood, Corian®, Silestone® quartz, stainless steel	
5 lower plinth	colour: white WA005	colour*: any metallic colour*: any
6 foot	adjustable (+/- 11mm)	-

\*colour: when we say "any" we really do mean "any".



size in mm

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copy: Matteo Pretto

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dentalArt



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