Cruise & Atlas

Intelligent Personal Station

A new seating style for creative thinking

okamura

Introducing intelligent cruising.

From work posture to thinking posture, effective creative thinking needs not only a relaxed and comfortable brain, but also a relaxed, comfortable body. What is the most comfortable work posture now that many of us are spending more of our time working before a computer? Human body engineering research provides an answer to that question with the relaxed working style achieved by the utterly unique “low-seat, rear-tilt” concept. An all new seating style for intelligent and creative thinking from Okamura, “low-seat, rear-tilt” is the style for professionals who are the business world’s next generation movers and shakers.

The Next Working Style

A relaxed low-seat posture stimulates strong and steady concentration.
An extraordinary chair designed especially for intellectual and creative thinking.

Introducing the low-seat, rear-tilt seating position.
The new Cruise-Atlas Personal Workstation.

A well-relaxed posture stimulates concentration. The Cruise-Atlas Personal Workstation is built from a completely new concept. The Atlas Chair combines an altogether new low-seat position with an ideal reclining angle while the Cruise Desk desktop height and angle top can quickly be adjusted to meet any kind of working situation. What's more, the Cruise-Atlas Personal Workstation comes with a Round panel option for partitioning your personal workspace. A workstation that reduces stress on the body encourages the higher level of concentration and thinking needed for intellectual and creative work.

Cruise & Atlas

Intelligent Personal Station

Good Design
GOOD DESIGN AWARD 2005

reddot design award
winner 2006

The next generation working space for cutting-edge professionals.

Is there a way to further improve the quality of creative oriented work?
The shift to the revolutionary low-seat, rear-tilt style says "yes."

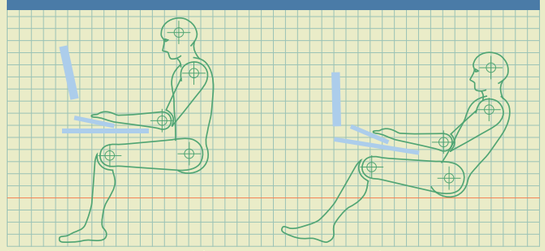
The low-seat, rear-tilt concept

As the business environment changes so does sitting posture.
Until recently, computer work mainly involved inputting data while looking down at paperwork and the keyboard. But now computer intensive work is shifting toward tasks that involve long periods of thinking while looking at the monitor. Working posture in this new mode of computer oriented work tends to tilt the upper body away from the monitor in an effort to find the best angle and distance from it. Okamura focused on this phenomenon to develop a posture ideal not only for working but thinking as well.

Human body engineering research to find a new work posture.
Okamura undertook human body engineering research to determine what the best posture is for doing computer work today. Using human body engineering, we quantified measurements and analysis of human physical characteristics and applied the data to develop a product that achieves the ideal work style embodied in the Cruise-Atlas Personal Workstation.

The low-seat, rear-tilt posture is the result of doing research on how people actually work in front of computers.
Our exclusively developed low-seat, rear-tilt posture places the seat in a low position and sharply tilts the body back to reduce stress on the body even when working several hours before a computer. Since this posture was developed based on research on how people actually work in front of computers it provides comfort that past posture systems were unable achieve.

"Past and present computer working postures"
As the nature of computer work changes so does working posture.

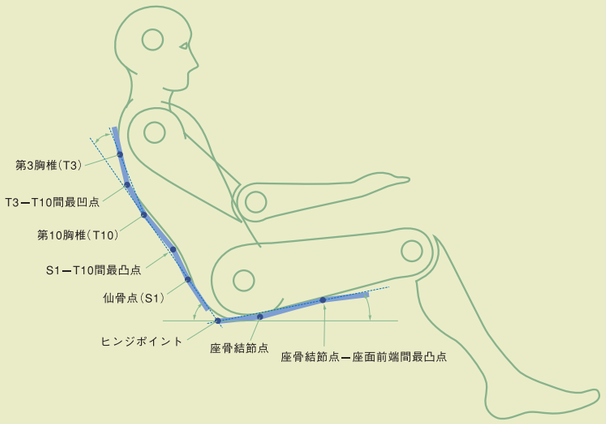


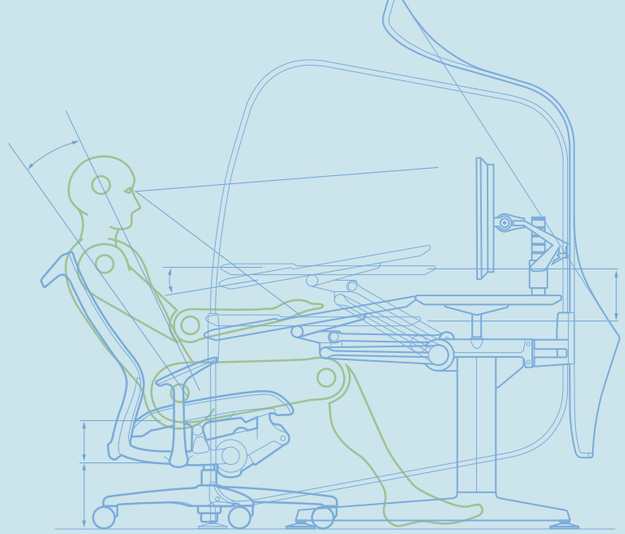
Work posture when doing mainly data input tasks.

Work posture for tasks that require long periods of thinking in front of the monitor.

The Atlas Chair is the product of a collaboration between industry and academia.
The low-seat, rear-tilt concept was formulated through collaborative research with human body engineering advocate and Keio University Department of Science and Technology Professor Nobutoshi Yamazaki.
Human body engineering research seeks to understand the physical characteristics of the human body and the body's essential requirements in order to apply this knowledge to the development of tools, machinery, and other objects. The low-seat, rear-tilt posture is the result of accumulated experiments using chairs, desks, and other equipment in a variety of shapes.

The Atlas Chair's comfortable seat and back position is the result of human body engineering research.





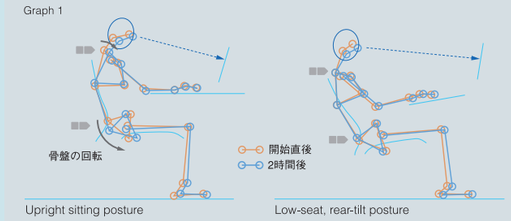
The Cruise-Atlas Personal Workstation specifications are based on sitting position research in a variety of working conditions.

Even after several hours, the low-seat, rear-tilt posture keeps the body relaxed.
The low-seat, rear-tilt posture keeps the body relaxed and makes it possible to concentrate many more hours compared to sitting in other chairs. Compared to the old upright sitting posture, the Atlas Chair's low-seat, rear-tilt posture is a major step forward.

Low stress on the body also minimizes changing posture. (Graph 1)
Compared to the upright sitting posture, the low-seat, rear-tilt posture provides stability that makes it possible to work long hours at the computer. Body movement is a reaction to stress on the body when it stays in the same posture for a long time. The minimal body movement achieved by the low-seat, rear-tilt posture shows how effectively it reduces the stress felt by the body.

Rear-tilt disperses body weight, while low-seat reduces swelling.
(Graphs 2 and 3)
The changes that occur in the body also clearly show the reduced stress achieved by the low-seat, rear-tilt posture.
The dispersion of pressure received from the back and the seat of the chair means that the body is supported over a wider area. Reduced leg swelling is a result of bringing the height of the heart and legs closer together so that blood circulates more easily. The graphs shows just how effectively the low-seat, rear-tilt posture reduces physical discomfort.

Graph 1

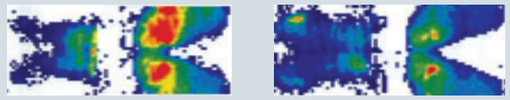


Upright sitting posture

Low-seat, rear-tilt posture

Comparison of different sitting posture
The graph shows measurements in the change in sitting posture over a two hour period while working at a computer. The comparison shows that there is much less upper body and hip movement in the low-seat, rear-tilt posture than in the upright sitting posture.

Graph 2

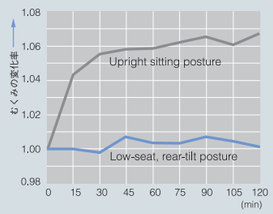


Upright sitting posture

Low-seat, rear-tilt posture

Body stress dispersion comparison
Various measurements were taken on the distribution of weight on the body while sitting. Compared to the upright sitting posture, the low-seat, rear-tilt posture reduces stress on high pressure areas of the seat by increasing the area in contact with the back by an average of 2.1 times.

Graph 3

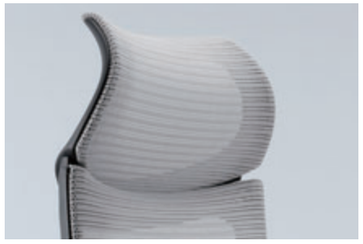


Comparison of leg swelling
Leg swelling was measured for the upright sitting and low-seat, rear-tilt postures. In contrast to the increased swelling that occurs as time passes in the upright sitting posture, very little swelling was evident in the low-seat, rear-tilt posture.

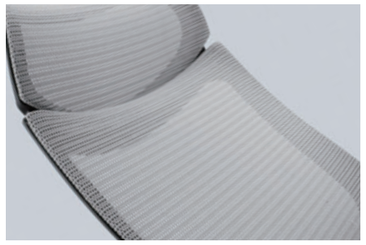
Experience the ultimate in working comfort in the low-seat, rear-tilt chair.

The unique low-seat, rear-tilt posture isn't the only superior comfort The Atlas Chair provides. Other outstanding features include the exclusively developed mesh material, easy to use functions and body friendly frame.

Atlas Chair



A wide headrest provides firm support to the back of the head .You can choose an Atlas Chair (Extra High Back version) with a stationary or a height adjustable headrest.



Fabric using comfortable, transparent mesh materials comfortably supports the body and efficiently disperses weight.

Large elbow pads with a striking round design provide arm support when standing up.

Levers under the seat on each side can be used to easily slide the seat up to 50mm forward and backward.

The chair can recline up to a maximum 23°. By operating the lever on the chair's left, the chair can be set to rock freely or locked at a preferred angle.

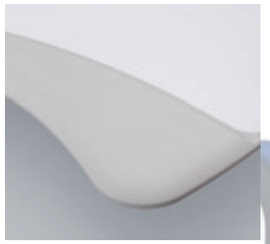
Reclining tension can be freely set. Easily set your preferred tension by turning the dial under the seat on the right side.

Seat height can be raised or lowered up to 58mm by operating the lever under the seat's right side.

The main table is a round form design. Placing the body well inside reduces arm and shoulder stress and places it before the desk in a natural position.

The main table height can be adjusted anywhere within a 600mm to 720mm height range and its angle can be adjusted 10°. Handles (Right: height adjustment, Left: Angle adjustment) under the table on the left and right-hand side make adjusting easy.

The mesh Round panel effectively keeps the periphery out of view. Opening the fulcrum joining the two panels enables setting up side table and other arrangements.



The desk edge facing the body is a single piece soft molded padding that provides gentle support for the wrists and reduces stress on the arms and shoulders.

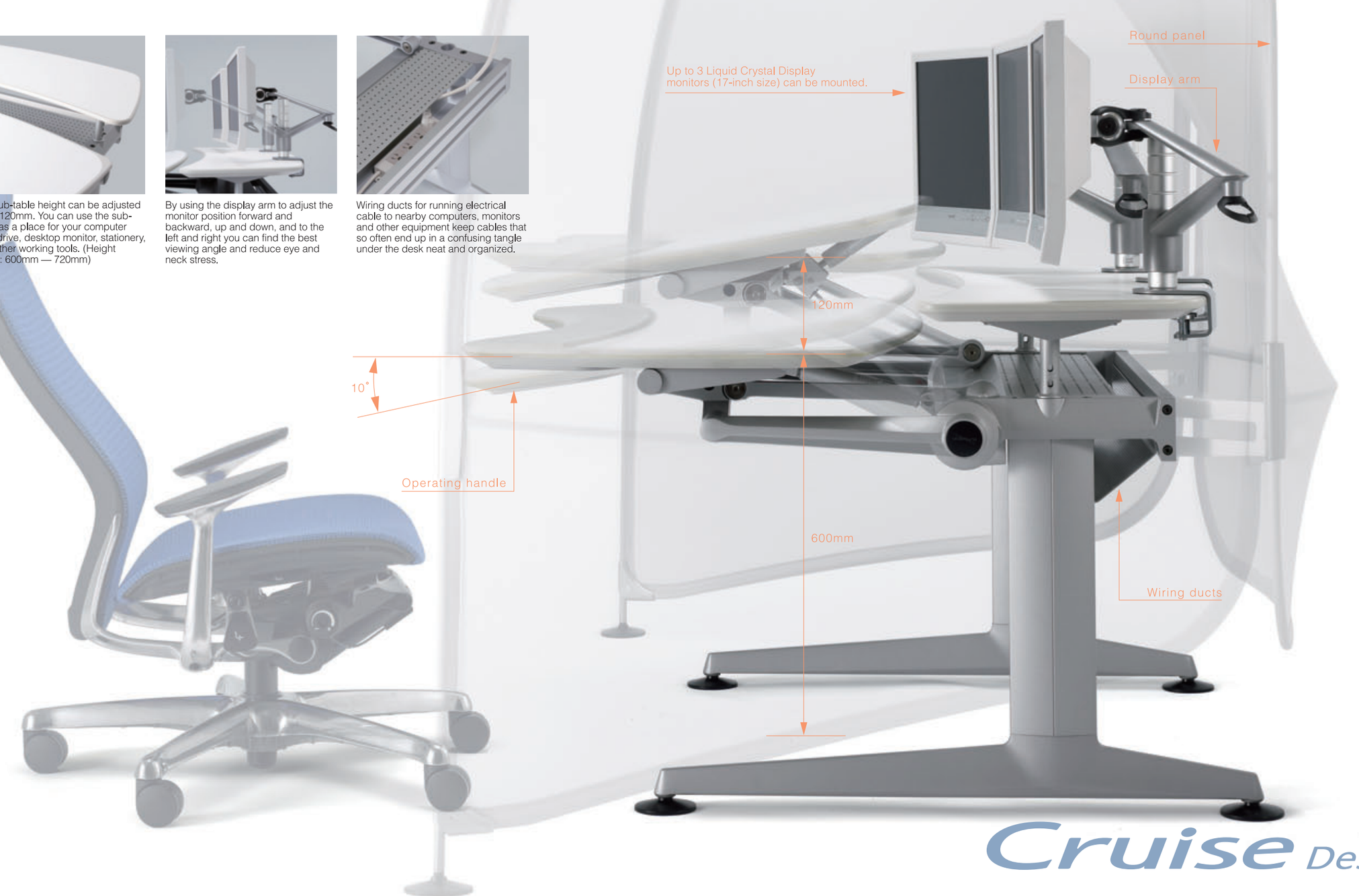
The sub-table height can be adjusted up to 120mm. You can use the sub-table as a place for your computer hard drive, desktop monitor, stationery, and other working tools. (Height range: 600mm — 720mm)

By using the display arm to adjust the monitor position forward and backward, up and down, and to the left and right you can find the best viewing angle and reduce eye and neck stress.

Wiring ducts for running electrical cable to nearby computers, monitors and other equipment keep cables that so often end up in a confusing tangle under the desk neat and organized.

An innovative desk that fits the low-seat, rear-tilt posture perfectly.

Along with the chair, the shape of the desk is an important factor in determining posture. The Cruise Desk quickly and smoothly adjusts to the body's natural position. The height and angle of the desktop can be instantly changed to meet the position most comfortable for the body. When a display arm is attached, the monitor screen can be easily adjusted to the best viewing position. In short, the Cruise Desk is a new concept whose aim is to reduce stress on the arms, shoulders, neck, eyes, and the overall body.



Cruise Desk

The Cruise-Atlas Personal Workstation will transform your creative work area into a more free and open space. This flexible workstation's relaxed environment and ability to quickly meet every type of work situation will stimulate higher levels of creativity in your workspace.

For Creative Work

Bringing comfortable work spaces for creative thinking to the frontline of business.

Creator

Designer

CG Programmer

CAD Operator

Internet Surfer

The Cruise-Atlas Personal Workstation creates a completely new kind of work space for offices. The personal space marked off by the workstation's Round panels stimulates the kind of concentration needed for creative thinking.

For Office Work

Bringing comfortable work spaces for creative thinking to the frontline of business.

Dealer

Systems Engineer

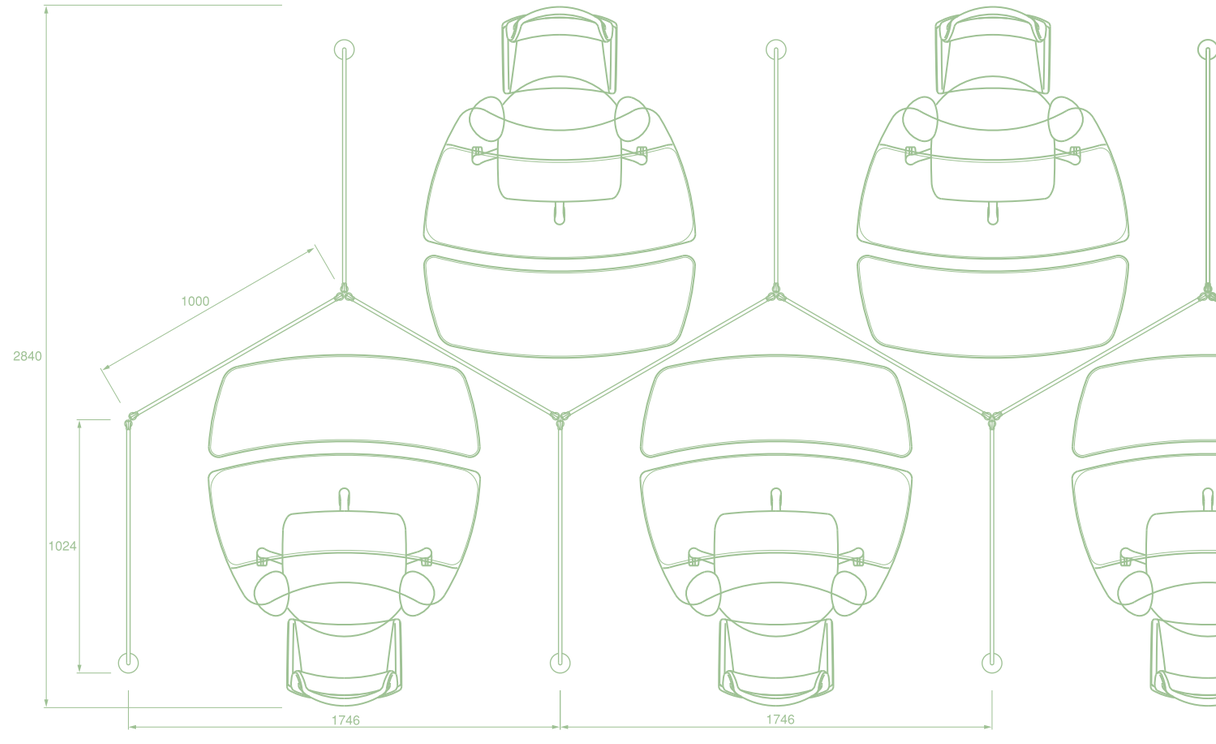
Analyst

Researcher

Programmer

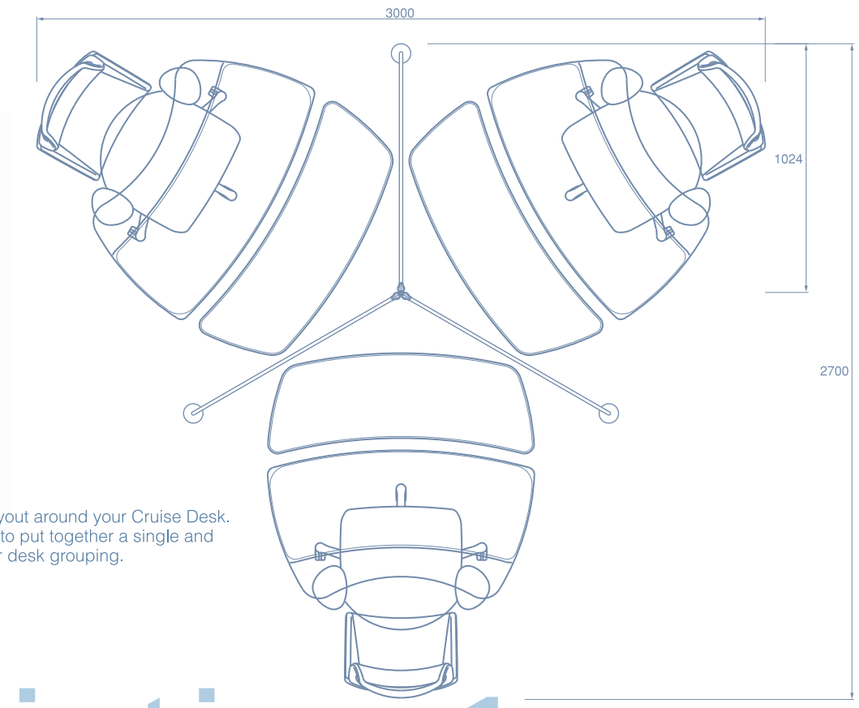
Expand your office potential at a workstation with an extraordinarily versatile layout.
The flexible Cruise-Atlas Personal Workstation gives you a wide variety of layout styles to choose from. Use the round panels to maintain the integrity of your personal space. And use the exceptional space efficiency of the compartment panels to take advantage of the Cruise Desk's 120° connecting angles to easily put together an arrangement that meets your layout needs.

The basic shape revolves around a personal work station using Round panels. A relaxing panel enveloped space encourages strong and steady



The compartment panels are ideal when efficient use of floor space is a priority. You can take advantage of Cruise Desk features to put together the optimal layout.

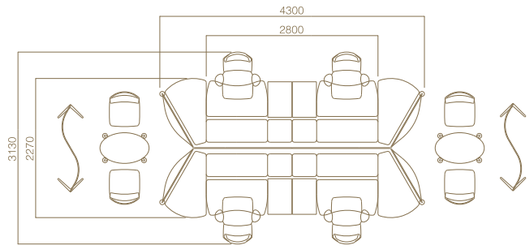
Coordinate the 120° layout around your Cruise Desk. You can use the layout to put together a single and compact three member desk grouping.



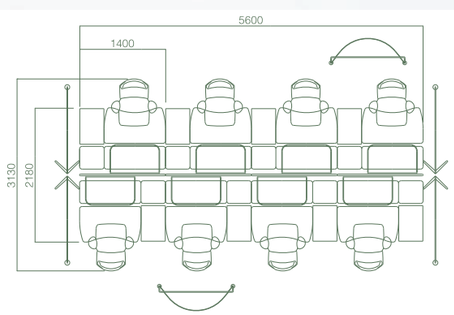
Layout variation 1

In the alternating and orderly Cruise-Atlas Personal Workstation "honeycomb" layout, workspace members don't face each other thus minimizing crossing fields of view and maintaining a psychological sense of distance.

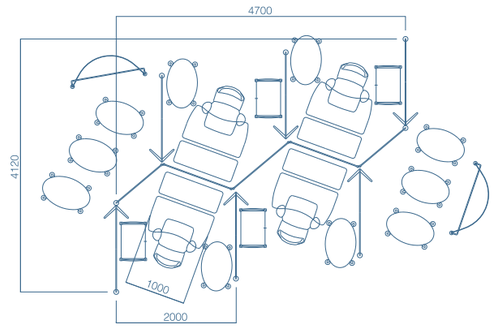
By assembling the side table, side-end table, and other pieces you can create an efficient work space with areas for two people working together and for individuals who need to work alone undisturbed.



Square layout arranging basic unit type-B desk tops between connecting table tops and wagons. The curved upper-add panel enhances concentration.



Maintain private workspaces with just the right amount of partitioning. Colorful and uniquely-shaped free-standing panels add a relaxed touch to the layout.



Layout variation 2

Free-standing panel

Upper-add panel

Connecting table top and wagon

okamura
OKAMURA CORPORATION
INTERNATIONAL SALES & MARKETING DIV.
Tel: +81-3-5561-4085 Fax: +81-3-5561-4086
http://www.okamura.co.jp/