ERGONOMICS MEETS **PERFORMANCE**

MX VERTICAL MOUSE

SCIENCE-DRIVEN ERGONOMIC DESIGN AND ELEVATED PERFORMANCE

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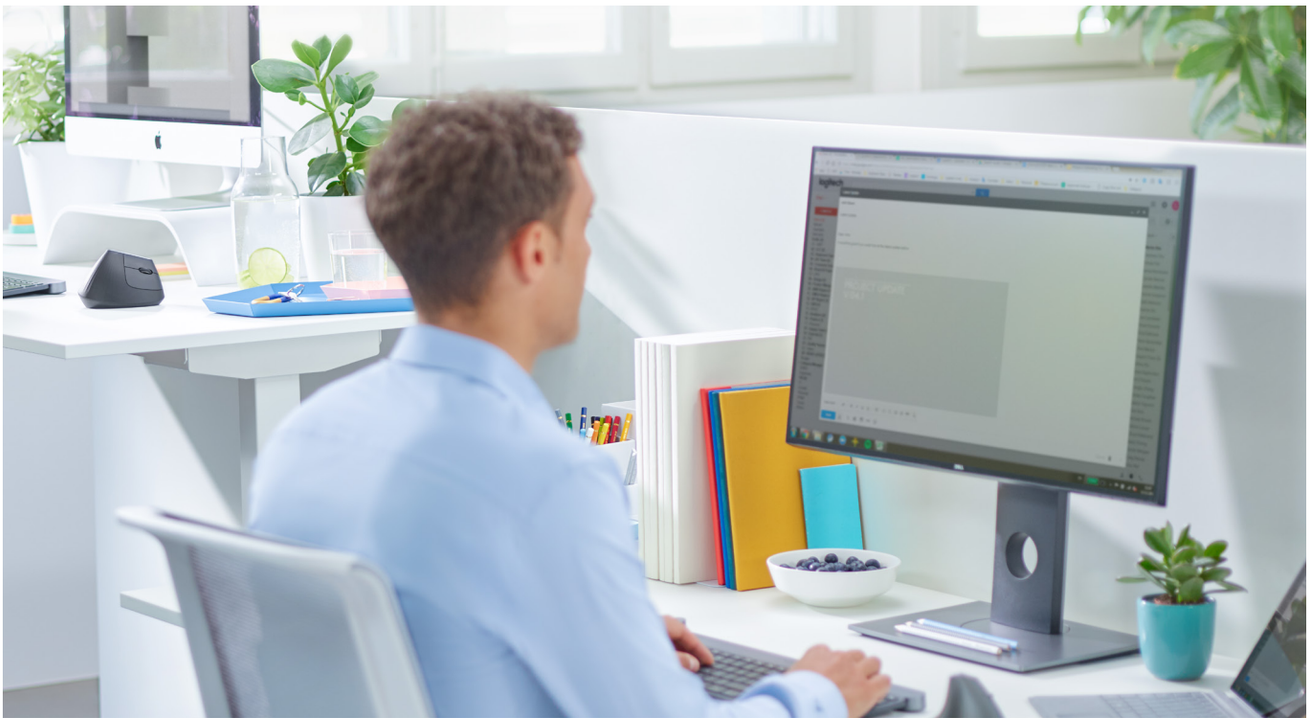
ERGONOMICS IS IMPORTANT



As society better understands the principles and value of wellness and positive being, so the importance of ergonomics will become more focal in all our lives.

In addition to good posture, the combination of environment, the tasks we are expected to perform at work and the tools that we are provided with are being proven scientifically pivotal to our overall productivity, health and happiness.

> **“Vertical mice are at the forefront of the ergonomic revolution offering real benefits for employers and employees alike.”**

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SO WHAT IS ERGONOMICS?

According to International Ergonomic Association, ergonomics is the scientific discipline concerned with the understanding of interactions among humans and other elements of a system, and the profession that applies theory, principles, data and methods to design in order to optimise human well-being and overall system performance.

CORPORATE RESPONSIBILITY

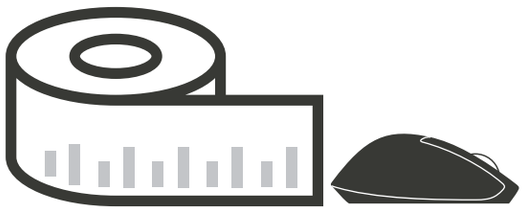
All companies have a social responsibility to provide the best and most effective tools to enable employees to perform their duties.

Alongside fair and equal social measures, ergonomic environment, tools and equipment look set to dominate ethical agendas for businesses over the next decade in a desire to retain staff, improve productivity and increase working conditions.

WHY AN ERGONOMIC MOUSE?

According to a Logitech study, office computer users move the mouse an average of 72 minutes per working day. It's the equivalent of moving the hand 30 meters (100 feet) every day or 10 km every year!

To compensate the strain associated with such extensive usage, Logitech has introduced its first vertical mouse.



30m

THE FACTS

12%

OF COMPUTER USERS EXPERIENCE DISCOMFORT OR PAIN ON A DAILY BASIS

Source: Forrester Research, 2018

60% OF ALL OCCUPATIONAL ILLNESSES ARE RSI RELATED

Source: Pascarelli & Quilter, 1994

$19 BILLION

ANNUAL COST OF RSI

$$$$$$$$$
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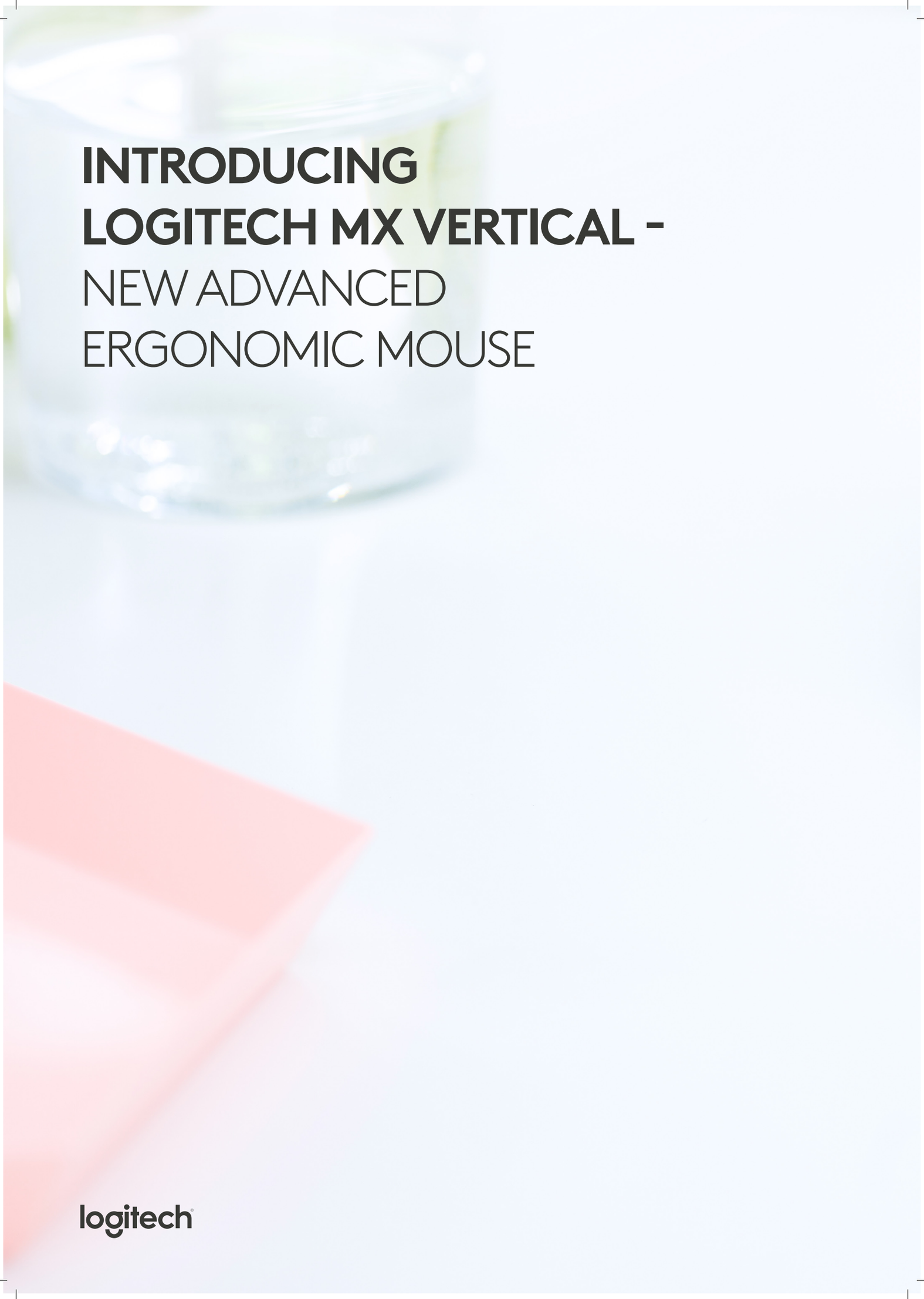
Source: Buckle and Devereux, 1999

WORKERS AFFECTED

1.8 MILLION

Source: Occupational Safety and Health Administration (OSHA), 2009



INTRODUCING LOGITECH MX VERTICAL - NEW ADVANCED ERGONOMIC MOUSE

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LOGITECH'S MOST ADVANCED ERGONOMIC MOUSE

Featuring Logitech's hallmark design, the MX Vertical mouse is distinctive, well made and easy to use. Sculpted to the shape of your hand, interaction with the MX Vertical mouse is surprisingly comfortable and intuitive.

Premium design, materials and science combine to offer a truly unique and easy way to perform your daily tasks without undue strain on your forearm and pressure on your wrist. Advanced functionality is also assured with 4 customisable buttons, easy to use 2 click buttons, connection of upto three devices simultaneously (using Logitech FLOW) and USB C type connectivity.

Further, the 4000 DPI high-precision sensor results in 4x less hand movement and can be controlled effortlessly at the touch of a button. The MX Vertical mouse also stays powered for up to four months on a full charge and gets three hours of use from a one-minute quick charge.

A MOUSE SOLUTION SCIENTIFICALLY DERIVED FOR BETTER RESULTS

THE EVOLUTION OF ERGONOMICS

Lab studies have lead to the understanding of the benefits of a vertical mouse. To compensate the strain associated with extensive usage, MX Vertical, Logitech's first vertical mouse, offers the best possible comfort and has been developed to notably reduce muscle strain and wrist pressure.

> **"Logitech has worked alongside ergonomic specialists to help create the most compelling and effective user experience."**

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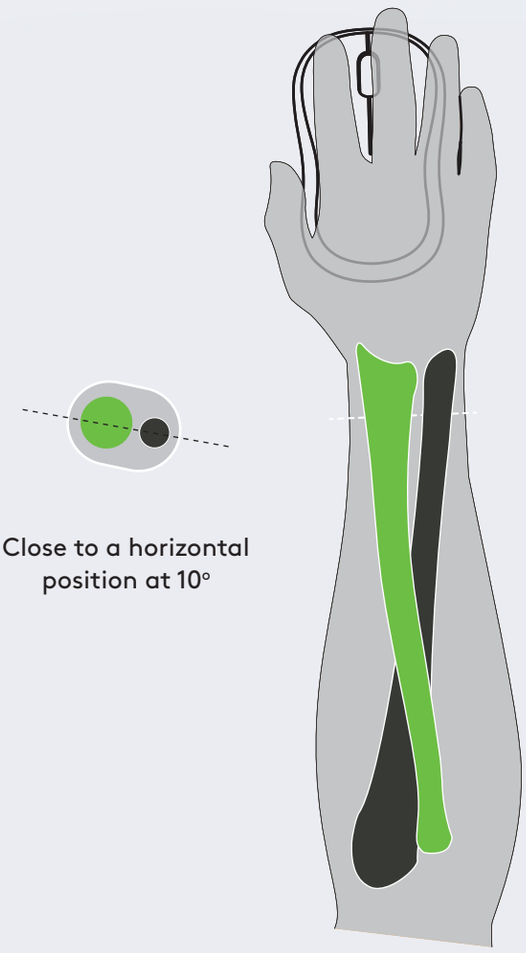
THE HANDSHAKE TO A MOUSE PRINCIPLE

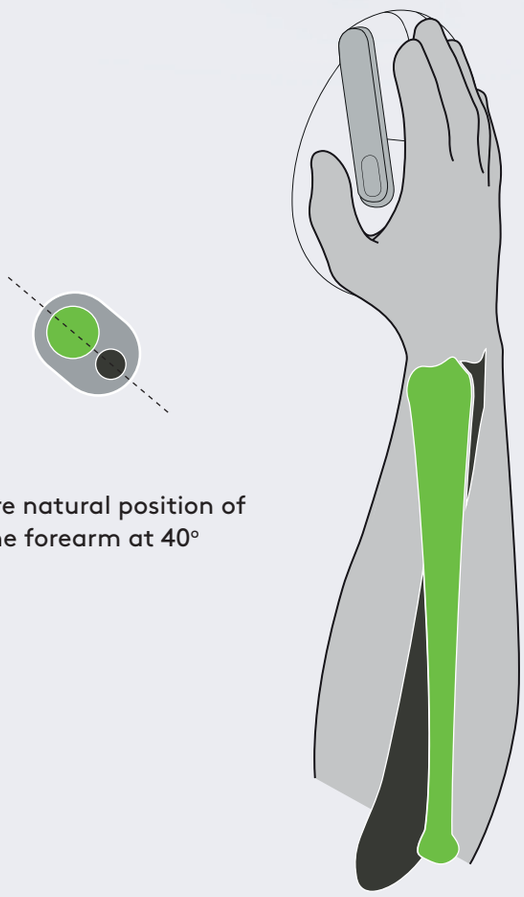
Imagine sleeping in space, or in water. Your body will take a natural position where all the muscles, ligaments and tendons are at rest. The forearms and hands will rotate to be in a handshake position.

Sustained non-neutral postures are a risk factor that may contribute to mouse related upper extremity musculoskeletal disorders[†]. The goal of ergonomics is to move the body towards a more natural posture.

MX Vertical, by its innovative shape, allows the right forearm and hand to rotate to reduce the stress on the muscles and tendons.



Close to a horizontal position at 10°



A more natural position of the forearm at 40°

[†] Changes in upper extremity biomechanics across different mouse positions in a computer workstation – JACK T. DENNERLEIN and PETER W. JOHNSON – Ergonomics Vol. 49, No. 14, 15 November 2006, 1456–1469

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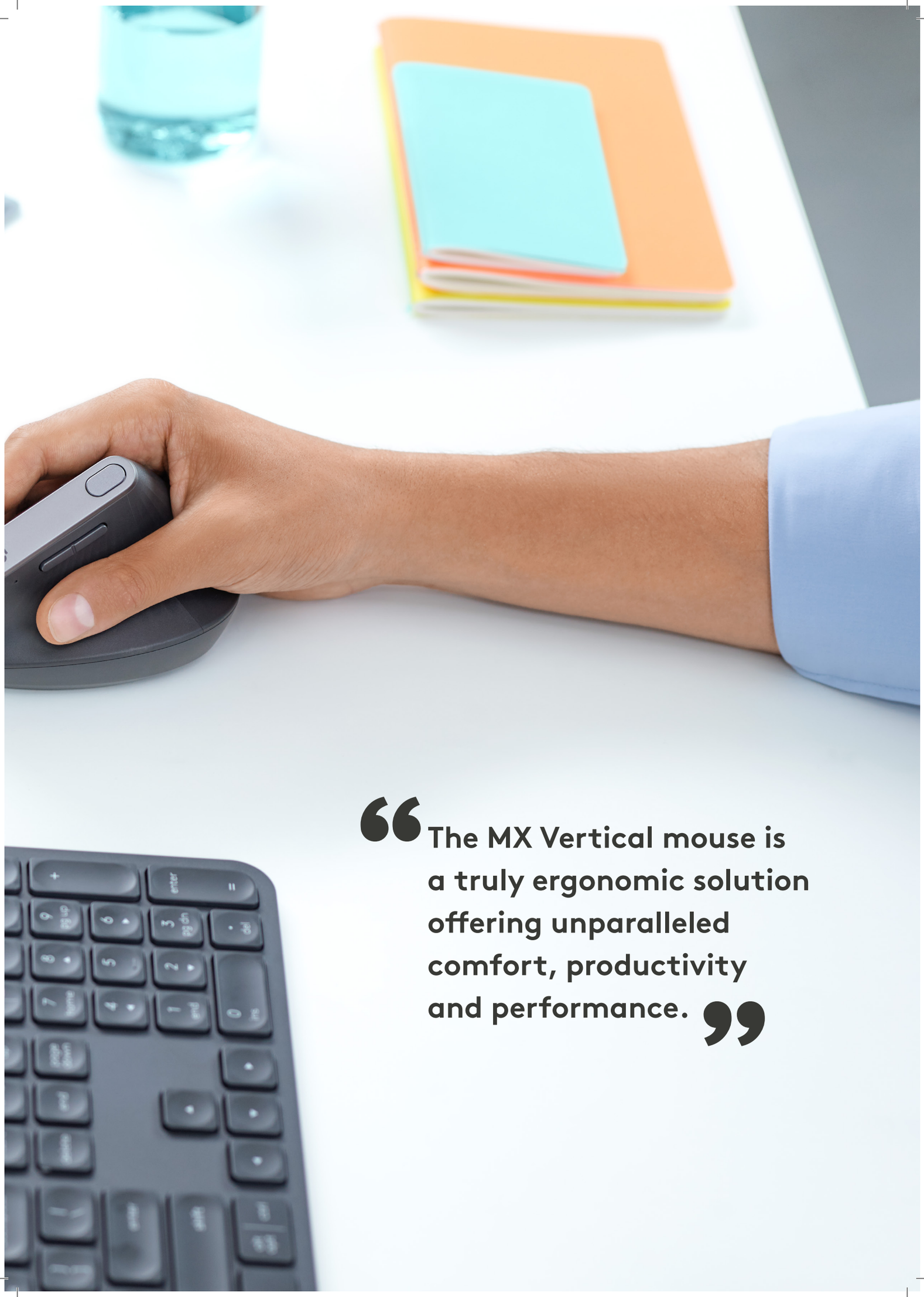
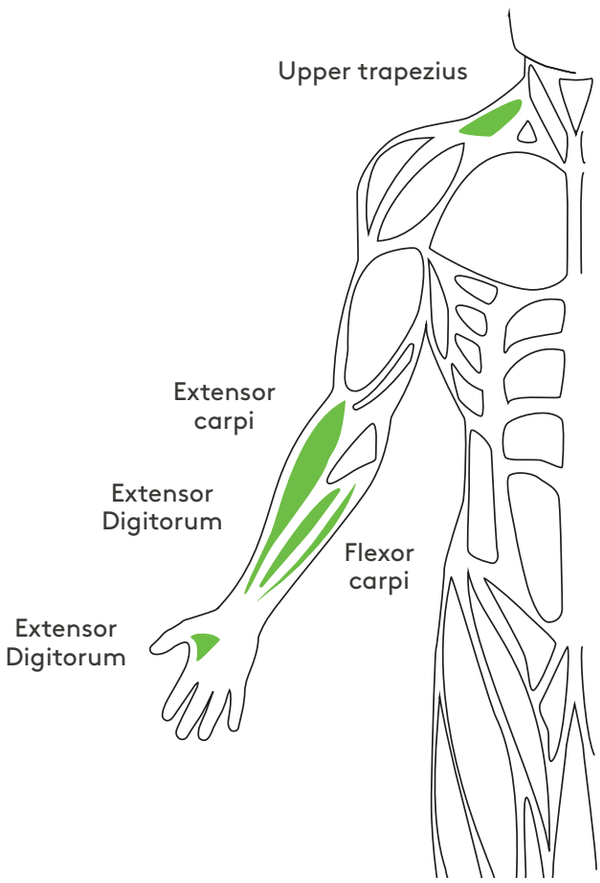


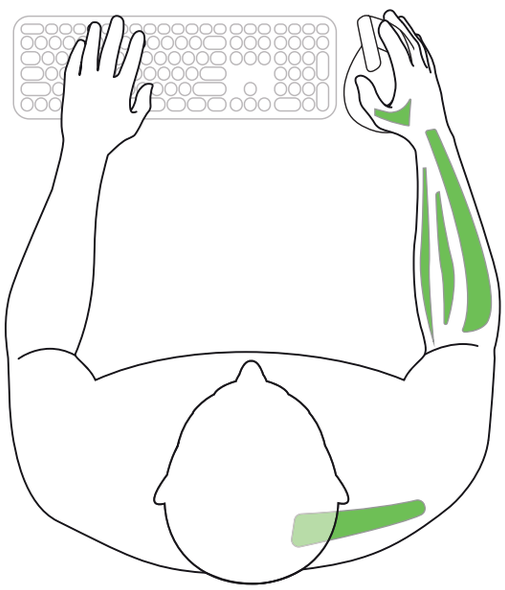
“The MX Vertical mouse is a truly ergonomic solution offering unparalleled comfort, productivity and performance.”

MAJOR HEALTH BENEFITS

LESS FATIGUE – INCREASED PRODUCTIVITY

Five key muscles are used while moving a mouse on the desk. The less they work, the more relaxed and comfortable the body is.





LOWER MUSCLE ACTIVITIES

According to a Logitech lab study, MX Vertical muscular activities are lower in comparison with a standard mouse by an average of 10%.

The same study also showed an identical performance in speed and accuracy.

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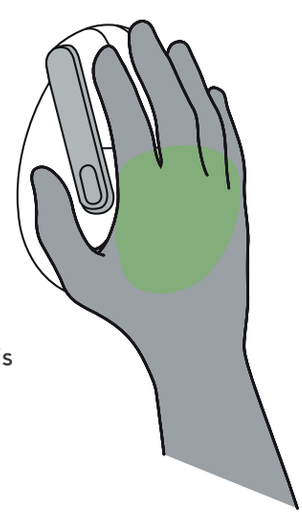
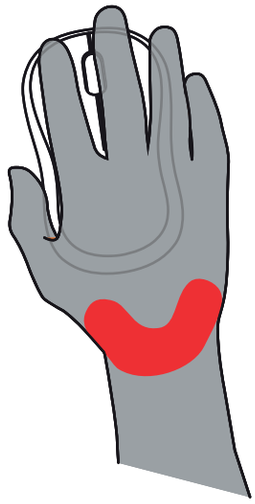
SUPREME COMFORT FOR YOUR WRIST

While using a standard mouse, the wrist sits on the table for hours.
To avoid this risk, the goal is to remove the pressure on the wrist as much as possible. MX Vertical sculpted design allows the wrist to not seat on the table.

MX VERTICAL

Most of the pressure is on the palm and not on the wrist.





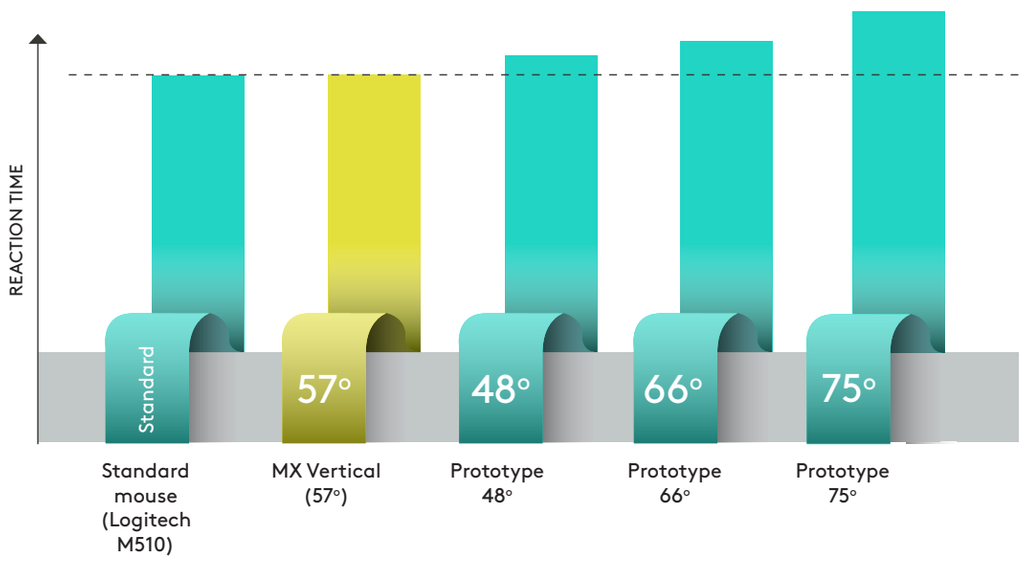
MOUSE

Most of the pressure is on the wrist.

NO COMPROMISE IN PERFORMANCE

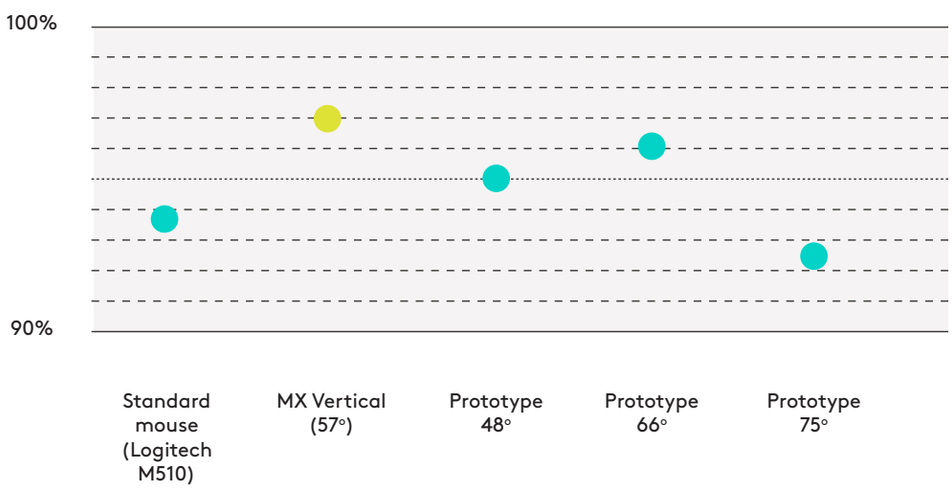
SPEED TEST

Reaction time - lower is better



ACCURACY TEST

100% is best



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HAND CRAFTED FOR NATURAL FEEL & COMFORT

NATURAL FEEL AND RESPONSE

To ensure the optimum head angle and minimal muscle activation Logitech developed dozens of prototypes to test the most compelling form and shape. Independently engaged ergonomic specialists paid an important part in developing this truly unique shape and its role in ensuring natural feel and fluidity.

> **“The MX Vertical offers the perfect blend of usability, performance and natural feel.”**

MX Vertical is tilted at a 57 degree angle to reduce the forearm pronation. It makes the mouse the most comfortable pointing device from Logitech.

Why 57°? This angle has been studied among different shapes, forms and angles (e.g. 48°, 57°, 66°, 75°) to deliver the best synergy between ergonomics (body posture and muscular activity), performance (speed and accuracy) and comfort.

KEY FEATURES

NATURAL HANDSHAKE POSITION

Reduce muscular activity by 10% with a more natural posture. †

PREMIUM SCROLL WHEEL

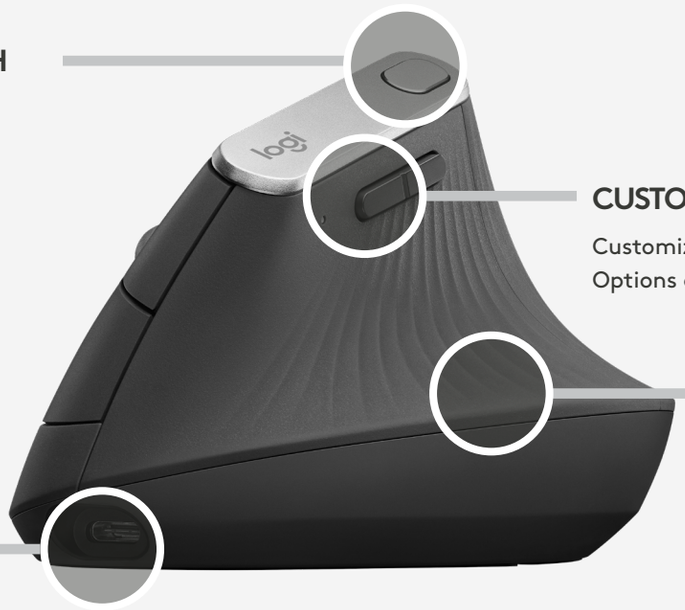
Precision scroll wheel with customizable middle click.

4000 DPI PRECISION SENSOR

Reduce fatigue with 4x less hand movement. ††

CURSOR SPEED SWITCH

Instantly adjust cursor speed and accuracy.



CUSTOMIZABLE SHORTCUTS

Customize actions in the Logitech Options app

TEXTURED THUMB AREA

Rest your thumb comfortably on a textured rubber surface.

THREE WAYS TO CONNECT

Connect via USB-C cable, Logitech UnifyingTM Receiver or Bluetooth®.

† As compared with a traditional mouse.

†† As compared with a traditional mouse with 1000 DPI sensor.

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“The Logitech MX Vertical mouse represents the latest advancements in vertical mouse technology and design.”
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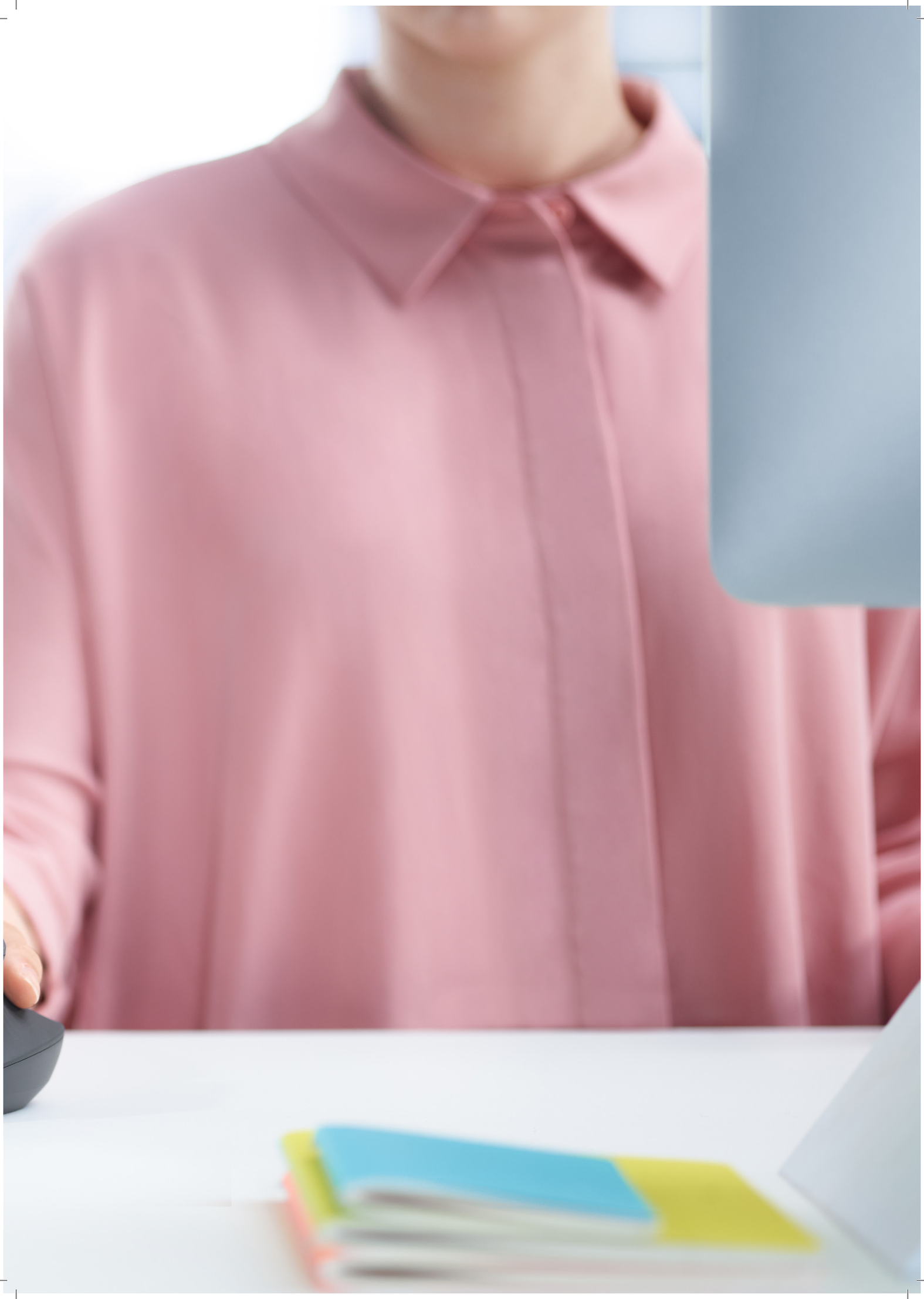

BETTER WORKING PERFORMANCE

HIGH QUALITY COMPONENTS

As a world leader in computer peripherals development, we pride ourself on the quality and durability of all our components.

The MX Vertical has been designed for heavy business users with enhanced touch & feel, giving the user piece of mind.

INCREASED DAILY PERFORMANCE

By reducing strain and activity of the muscles, and reducing the wrist pressure, the MX Vertical offers significant productivity benefits for users.

The Hagberg survey* concluded that the "mean loss of workers suffering from at least one musculoskeletal symptoms productivity per month was 16.8 hours"

Averaged out over the entire work force studied in this survey, the average employee lost roughly 1.66 hours of productivity per month due to musculoskeletal symptoms. At the average white collar labor rate cited above, that is $33 per employee per month lost to musculoskeletal symptoms.

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*Hagberg M, A. Toomingas and E. Wigeaus Tornqvist, "Self-reported reduced productivity due to musculoskeletal symptoms: Associations with workplace and individual factors among white collar computer users," Journal of Occupational Rehabilitation, 2002,12:151–62.

TECHNICAL SPECIFICATIONS

Sensor

Nominal value: 1000 dpi & 1600dpi
DPI (Minimal and maximal value): 400 to 4000 dpi
(can be set in increments of 50 dpi)

Buttons

4 Customisable buttons
(By default: Back/Forward, DPI, Middle click)
Precision Wheel

Battery life

Rechargeable Li-Po battery (240mAh)

Wireless Operating Distance:

10m wireless

Optional software

Supported by Logitech Options

Dimensions

MX Vertical:
Height x Width x Length: 78.5 mm x 79 mm x 120 mm,
Weight: 135 g

Unifying receiver:
Height x Width x Length: 18.4 mm x 14.4 mm x 6.6 mm,
Weight: 2 g

System requirements

Unifying:
– Required: available USB port
– Windows® 7, Windows® 8, Windows® 10 or later
– macOS 10.13.6 or later

Bluetooth:
– Required: Bluetooth low energy technology
– Windows® 8, Windows® 10 or later
– macOS 10.13.6 or later

USB-C:
– Required: available USB port
– Windows® 7, Windows® 8, Windows® 10 or later
– macOS 10.13.6 or later

What's in the box

Mouse
Unifying receiver
USB-C charging cable (USB-A to USB-C)
User documentation

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