TODAY'S PRESBYOPE NEEDS TO SEE MULTIPLE DISTANCES WITHIN ARM'S REACH

ESSILOR R\&D CREATED NEW TOOLS TO MEASURE TODAY'S NEAR VISION NEEDS Essilor R\&D developed new tools and methodologies to quantify the modern presbyope's dynamic near vision needs. For example, Essilor created the Movis ${ }^{\prime \prime}$ lab, a new state of the art facility that captures data by monitoring and analyzing progressive lens wearers' movements and posture both in real time and in 3D. Essilor even had wearers make video selfies to show the day-to-day situations modern presbyopes encountered with their progressive lenses.
series

THE MOST ADVANCED VARILUX® LENS. EVER
No other progressive lens on the market has the technology found in Varilux $X$ Series lenses.

This innovation is the result of:
5 years of research and development 19 studies among thousands of wearers 15 pending patents
ff Varilux $X$ Series lenses are by far the most natural and comfortable progressive lens I have ever tried. No looking or 'just the right the spot' and there is no in any part of the lens. I am pretty critical when it comes to my vision. I give the Varilux $X$ an $A+3$ - Harkins \& Karsten, OD


## INNOVATION.

## A NEW APPROACH TO PROGRESSIVE LENS DESIGN

 Essilor was able to quantify the Volume of Vision needed by today's presbyope;this is a brand new measure that has never been defined for a progressive wearer this is a brand new measure that has never been defined for a progressive wearer
until now. By measuring the acuity necessary to see sharply during multiple important arm's length tasks, Essilor R\&D was able to model and define the total space where a patient wearing progressive lenses most needed to have sharp, clear vision. Put simply. Essilor was now able to design a progressive lens that maximizes the range of sharp vision needed at arm's length.


Truly groundbreaking products

## XTEND TECHNOLOGY <br> MAXIMIZES THE VOLUME OF VISION

 FOR TODAY'S PRESBYOPEMaximizing the volume of vision delivered by a lens led Essilor to completely reinvent how to design a progressive lens. Xtend technology is a result of this new design philosophy and resulted in exclusive software calculations that were so innovative that Essilor was able to file 15 patents on this new process.

FOUND ONLY IN VARILUX X SERIES LENSES, XTEND TECHNOLOGY ALLOWS THE WEARER TO: THE PROGRESSIVE WEARERS' VOLUME OF VISION


See multiple distances through any point in the near and intermediate zones of the lens

- Experience reduced head movement
- Have a better overall visual experience

