

# TTL Order form



Date \_\_\_\_\_

User's name \_\_\_\_\_

User's age \_\_\_\_\_ User's height \_\_\_\_\_

Address/Street \_\_\_\_\_ Number \_\_\_\_\_

Postal Code \_\_\_\_\_ Town \_\_\_\_\_ County \_\_\_\_\_ Country \_\_\_\_\_

## MODEL

Type  Galilean  Prismatic

Magnification \_\_\_\_\_ X Working distance \_\_\_\_\_

<b>Ash S</b>	Black/Red	Grey/Grey	Purple/Grey
<b>Ash L</b>	Black/Red	Grey/Grey	Purple/Grey
<b>Techne</b>	White/Red	Black/Green	White/Pink
<b>Techne RX</b>	White/Red	Black/Green	White/Pink
<b>Iris S</b>	Pink	Black	
<b>Iris L</b>	Orange	Black	
<b>Univet-01</b>	Grey		

Declination angle  12°  18°  22°  27°

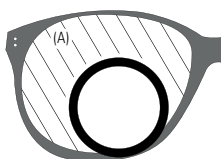
Case Customization:

max 17 letters

Frame Customization:

max 17 letters

## PRESCRIPTION IN OUTER LENSES <sup>(A)</sup>



Distance   
Close-up   
Bifocal

### RIGHT EYE

### LEFT EYE

Sph	Cyl	Axis	Sph	Cyl	Axis
			distance		
			intermediate		
			close-up		
<b>add</b>					

## PD MEASUREMENT

### RIGHT EYE

### LEFT EYE

### TOTAL

1° meas. 2° meas. 3° meas.

1° meas. 2° meas. 3° meas.

1° meas. 2° meas. 3° meas.

Infinite viewing \_\_\_\_\_

Working distance viewing \_\_\_\_\_

Picture number: \_\_\_\_\_

I hereby consent to Univet handling my personal data pursuant to the provisions of legislative decree No. 196 of the 30th June 2003.

Sales Agent \_\_\_\_\_

Customer Signature \_\_\_\_\_

TTL MAGNIFICATION SYSTEM

ORDER FORM



HEADQUARTER

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UNIVET INTERNATIONAL OFFICES

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[www.univet-optic.com](http://www.univet-optic.com)



Discover the world of 



# LOUPES

big is better



**DESIGN AND INNOVATION MADE IN ITALY**

Expertise and passion are at the base of each product from planning to production; the Italian design is developed by the constant attention to detail throughout the production chain. Constant research of new technologies and innovative solutions contributes to the creation of products entirely Made in Italy able to combine performance and aesthetics. The use of cutting edge materials and the total control of production makes each magnifying system unique as for comfort and technology.



*Techne RX*

**TECHNE RX**

The Techne family is enriched by a new product and vivid, original colours. The unique frame, sporty and ergonomically designed, is combined with a specific optical design that supports the insertion of integrated corrective lenses. The result is Techne RX: a model with a strong personality characterized by an outstanding fitting, able to satisfy every professional need with Italian quality and style.



### **EOS - Led Light System**

Power and Italian design in a single device: Univet presents the new EOS LED Light System, developed by the internal R&D department. Improved portability, compact lines and careful choice of materials offer top-level aesthetics and a higher ease of use. In line with the company philosophy, essential and stylish design is combined with practical and functional solutions suitable to facilitate the performance of any user.

### **OPTICAL DESIGN BY UNIVET**

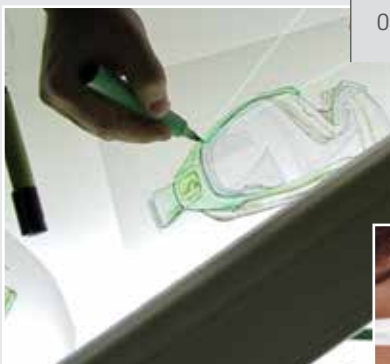
Technology takes form in optical designs developed exclusively by Univet. A unique optical system that achieves superior performances in terms of field of vision and depth of field. The Galilean TTL devices support the PRO optical design that combines improved image quality with efficient product engineering. Superior performance and unequalled visual comfort: the eye adapts easily to the view through the magnifying system due to enhanced optical properties.



# UNIVET PRODUCES QUALITY

## Join the Italian style

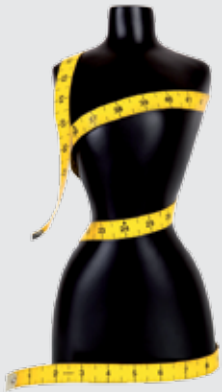
Optical technologies and innovative style. Univet has always combined cutting-edge solutions with the elegance of the Italian design in the creation of Made in Italy products unique on the market. Practical and intuitive, Univet magnification and illumination systems allow the user to operate with extreme precision and effectiveness. The careful and refined design gives stability and comfort removing the annoying pressure on head and face and helping to improve the working posture.



From design to production, Univet ensures consistent and proven quality. The maintenance and repair services and the customization of the products granted by the internal manufacturing allow to offer high-tech devices seamlessly adapted to the needs of each individual user. The dedicated customer service and the distribution network ensures speed and flexibility in meeting customer demands.

# UNIVET MAGNIFYING SYSTEMS

# Whatever your profession, whatever your need



## **TTL. Totally customized. As your eyes are unique.**

All parameters such as interpupillary distance, declination angle and working distance are unique to each professional. Univet accurately combines these variables in the creation of binoculars for every single customer.



## **FLIP-UP. Easy and versatile. A solution for any demand.**

Multiple adjustments and ease of use for a universal and intuitive product. A single device that provides precision and comfort to any user.



## **QUALITY OF WORK. More precision in your operations. Because big is better.**

Greater precision and accuracy during treatments observing details that are not visible to the naked eye. More effective operations, professionalism and customer service for an improved quality of work.



## **ERGONOMICS. Improve your posture. For working in comfort.**

Postural relief of pain in the muscles and spine, concrete reduced eyestrain. A new concept of ergonomics to work in total comfort.

# TTL

## **GALILEAN** TELESCOPES THROUGH THE LENS

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**A magnifying system lightweight and customized, an incredibly wide and bright field of vision.** The Galilean TTL model provides high-quality images thanks to the unique optical design PRO and the achromatic lenses. Fully customizable on user's parameters, the device has a wide range of magnifications and working distances.

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High definition optics, anti-glare coating for clear images with bright colours

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Possibility to install corrective lenses according to medical prescription

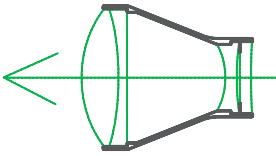
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Magnification PRO for width and depth of field with no comparison

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Italian design for frames to suit every style





MODEL	MAGNIFICATION	WORKING DISTANCE [MM]	FIELD OF VISION [MM]	DEPTH OF FIELD [MM]
TGU20	<b>2.0X pro</b> 	300	105	138
		350	120	169
		400	135	195
		450	150	220
		500	165	241
TGU25	<b>2.5X pro</b> 	300	90	78
		350	104	105
		400	122	135
		450	135	160
		500	148	200
TGU30	<b>3.0X pro</b> 	300	59	52
		350	68	73
		400	82	90
		450	89	110
		500	98	131
TGU35	<b>3.5X</b> 	300	45	42
		350	50	57
		400	55	73
		450	62	88
		500	68	105

### Available models and colours



Ash **NEW**

- Elegant and essential with carbon fibre temples
- Adjustable nose piece, side shields supplied
- Possibility to install corrective lenses
- Available in two sizes (S,L)
- New colour range



Techne **NEW**

- Sporty and wraparound design for a perfect fitting
- Frontal metal insert for implemented resistance
- Adjustable nose piece
- Integrated coverage of the lateral areas
- New colour range



Techne RX **NEW**

- The exclusive Techne frame gives stability and protection
- Possibility to install corrective lenses



IRIS

- Stylish frame with refined finish
- Adjustable nose piece
- Possibility to install corrective lenses
- Side shields supplied (IRIS L)
- Available in two sizes (S, L)



UNIVET-01

- Frame sturdy and comfortable, with classic lines
- Adjustable nose piece, flexible hinges
- Adjustable temple tips made of anallergic rubber
- Possibility to install corrective lenses
- Side shields supplied



# TTL

## PRISMATIC TELESCOPES THROUGH THE LENS

**High magnification to observe even the smallest detail in the surgical field, perfect high-resolution images.** The high quality of the optics creates a sharp, distortion-free vision and avoids eye strain during long procedures. The full customization according to the user's parameters makes Univet Prismatic TTL a unique and irreplaceable help for every professional.



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Excellent depth of field for stereoscopic vision

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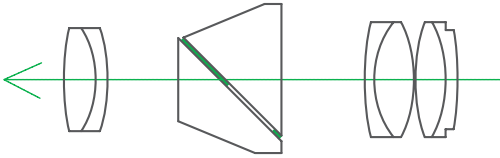
High magnification and various working distances

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Absence of optical distortion, even in remote areas

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Wide range of frames designed and refined for optimum weight distribution



MODEL	MAGNIFICATION	WORKING DISTANCE [MM]	FIELD OF VISION [MM]	DEPTH OF FIELD [MM]
TKU30	<b>3,0X</b> 	300	58	42
		350	70	63
		400	80	89
		450	94	96
		500	107	123
TKU35	<b>3,5X</b> 	300	57	38
		350	71	58
		400	85,5	83
		450	89	90
		500	102	115
TKU45	<b>4,5X</b> 	300	44,5	25
		350	57	38
		400	63	47
		450	74	65
		500	85,5	85

### Available models and colours



#### UNIVET-01

- Frame sturdy and comfortable, with classic lines
- Adjustable nose piece, flexible hinges
- Adjustable temple tips made of anallergic rubber
- Possibility to install corrective lenses
- Side shields supplied



#### IRIS

- Stylish frame with refined finish
- Adjustable nose piece
- Possibility to install corrective lenses
- Side shields supplied

IRIS L



#### ASL NEW

- Elegant and essential with carbon fibre temples
- Adjustable nose piece, side shields supplied
- Possibility to install corrective lenses
- Available in two sizes (S,L)
- New colour range



# QUICK LOUPES

## TTL GALILEAN STANDARD

**The new way to TTL. Immediate access, great ease of use, Univet quality.** The special features of Univet Galilean optical system, designed to provide immediate usability, allow an innovative approach to magnification systems. The exclusive models, proposed with default interpupillary distances, maintain advantages and optical characteristics of a TTL device.



The following table lists the range of acceptability of the product.

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S (56) → 54/58

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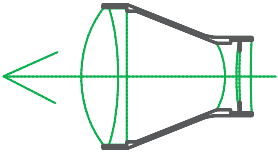
M (60) → 58/62



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L (64) → 62/66

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Measurements show the interpupillary distance at the working distance viewing (mm).



MODEL	MAGNIFICATION	WORKING DISTANCE [MM]	FIELD OF VISION [MM]	DEPTH OF FIELD [MM]
TGU20	<b>2,0x pro</b> 	300	105	138
		350	120	169
		400	135	195
		450	150	220
		500	165	241
TGU25	<b>2,5x pro</b> 	300	90	78
		350	104	105
		400	122	135
		450	135	160
		500	148	200

### Available models and colours



546

- Extremely lightweight and modern it guarantees a great protection
- Integrated coverage of the lateral areas
- Overmoulded temple tips to reduce pressure on sensitive areas
- Available magnification: 2,0x PRO, 2,5x PRO



Techné

- Sporty and wraparound design for a perfect fit
- Frontal metal insert for implemented resistance
- Adjustable nose piece
- Integrated coverage of the lateral areas
- Available magnification: 2,5x PRO



Wraparound lens developed to offer an improved protection

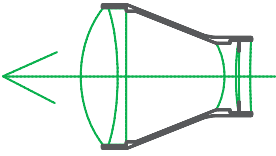
Magnification PRO for excellent width and depth of field


# FLIP-UP

## GALILEAN FLIP-UP



**Extreme versatility and ease of use, high quality optical systems for exceptional visual comfort.** The sharpness and the brightness of the Galilean optical design from Univet are applied to structures designed to ensure comfort and stability. The materials are carefully selected and mixed in products that combine lightness and resistance, giving the freedom to easily adapt the device to any working requirement.



MODEL	MAGNIFICATION	WORKING DISTANCE [MM]	FIELD OF VISION [MM]	DEPTH OF FIELD [MM]
MGU25	<b>2,5X</b> 	300	54	52
		350	62	72
		400	75	93
		450	81	111
		500	89	132

### Available models and colours



EVO

- A mix of high-tech materials for an ultra-lightweight system
- Independently adjustable interpupillary distance
- High definition waterproof optics
- Can be worn over prescription eyewear
- Interchangeable frontal sweatband



AirX

- Unique ergonomic frame
- Extremely intuitive adjustment of the optical system
- Independently adjustable interpupillary distance
- Adjustable nose piece
- Can be worn over prescription eyewear



High definition optics independently adjustable

Protective clear lens, also available against laser radiation or UV525, can be worn over prescription glasses

Extraordinary motion control and total freedom in every use

The magnification has a high optical quality, ensuring broad vision and bright colours

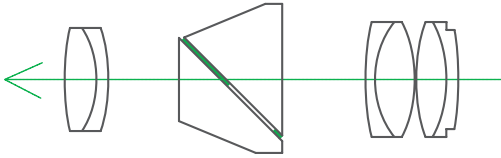
# FLIP-UP

## PRISMATIC FLIP-UP



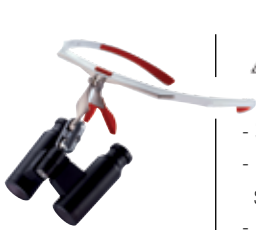
The careful design takes shape in perfectly balanced systems, the high-definition optics provide bright and three-dimensional images. Simple and intuitive, Univet Prismatic Flip-Ups are devices of extraordinary ergonomics, able to offer an optimal weight distribution. The stable and comfortable fit, the possibility of wearing it over prescription eyeglasses and the higher magnifications improve quality and effectiveness of operations.





MODEL	MAGNIFICATION	WORKING DISTANCE [MM]	FIELD OF VISION [MM]	DEPTH OF FIELD [MM]
MKU35	<b>3,5X</b> 	300	58	36
		350	72	55
		400	78	78
		450	91	84
		500	104	102
MKU45	<b>4,5X</b> 	300	44	25
		350	56,5	32
		400	61	43
		450	72	59
		500	83	79
MKU60	<b>6,0X</b> 	300	36	20
		350	47,2	27
		400	52,4	38

### Available models and colours



- Sporty and enveloping line
- Extremely intuitive adjustment of the optical system
- Adjustable nose piece, made of anallergic rubber
- Can be worn over prescription eyewear
- Interchangeable frontal sweatband



### HEADGEAR

- Comfortable and flexible structure with no pressure points
- Adjustment of the vertical axis, declination angle and interpupillary distance
- Sterilizable knobs
- Interchangeable sweatband sponges
- Can be worn over prescription eyewear



High definition optics, anti-glare coating for brilliant and stereoscopic images

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Clear vision, comfortable working conditions and intuitive operation

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Easy adjustment of the vertical axis, declination angle and interpupillary distance

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6.0x magnification

# LED

## ILLUMINATION SYSTEMS

**Portable and compact light sources, high technology to display every detail.** Only a good magnifying system combined with proper lighting can help to reduce eye fatigue and postural pain. The exclusive EOS LED Light System presents an optimal portability thanks to its essential design and carefully selected materials. Developed in line with Univet philosophy, the device offers high-level aesthetics and superior ease of use.



Three products with different technical characteristics to meet any working need

High colour temperatures for authentic colour rendering

Practical and functional, leave you with a high ease of use

The battery power systems provide maximum portability

# eos

NEW



- Weight: 14 g
- Luminous intensity: 35000 LUX at 350 mm
- Battery life: 3,5 hours at full power
- Colour temperature: 6000 K
- Spot size: 180 mm at 350 mm distance
- Provided with two rechargeable Li-ion batteries



## univet lite LED

- Weight: 6 g
- Luminous Intensity: 40000 at LUX 350 mm
- Battery life: 7 hours at full power
- Colour temperature: 6000 K
- Spot size: 74 mm at 350 mm distance



## POV™

- Weight: 20 g
- Luminous Intensity: 20200 LUX at 350 mm
- Battery life: 8 hours at maximum power
- Colour temperature: 6300 K
- Spot size: 74 mm at 350 mm distance



# LASER PROTECTION

## **FLIP-UP SYSTEMS** WITH LASER PROTECTION



**Magnifying systems of superior quality combined with laser filters in a single product.** Air-X Prismatic and Galilean devices and EVO Flip-Up can be easily combined with interchangeable laser protective lenses. These filters provide maximum protection from the most common laser wavelengths used in the medical and dental sectors to ensure optimal performance and protection for operators.

LASER SOURCE	WAVELENGTH [nm]	UL-1002	UL-1005	UL-1008	UL-1009
KTP	532				•
Diode	800-850		•	•	
Nd:YAG	1064		•		
CO2	10600	•	•		



CODE	UL-1002
COLOUR	Clear
VLT	92%

WAVELENGTH nm	OPTICAL DENSITY
10600	6



CODE	UL-1005
COLOUR	Green
VLT	45%

WAVELENGTH nm	OPTICAL DENSITY
800-825	6
825-885	5
885-1075	6
10600	6



CODE	UL-1008
COLOUR	Pink
VLT	40%

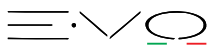
WAVELENGTH nm	OPTICAL DENSITY
755-852	6



CODE	UL-1009
COLOUR	Orange
VLT	40%

WAVELENGTH nm	OPTICAL DENSITY
nm	7
315-534	6

## Available models and colors



- A mix of high-tech materials for an ultra-lightweight system
- Independently adjustable interpupillary distance
- High definition waterproof optics
- Can be worn over prescription eyewear
- Available magnification for EVO: 2,5x



- Sporty and enveloping line
- Extremely intuitive adjustment of the optical system
- Can be worn over prescription eyewear
- Available magnification for Galilean Air-X: 2,5x
- Available magnifications for Prismatic Air-X: 3,5x, 4,5x, 6,0x



**MAGNIFICATION:** is the ratio between the size of the image observed through the telescope and the actual size of the object.

**WORKING DISTANCE:** The working distance is the distance from the eyes to the work surface.

**FIELD OF VISION:** The field of vision is the entire area visible through an optical system. The wider the field of vision, the easier the eye will move in a natural way.

**DEPTH OF FIELD:** The depth of field is the distance where the optical system is to remain in focus. All things being equal, the lower is the magnification power and the greater will be the depth of field.

**DECLINATION ANGLE:** It is the angle where the binoculars are in respect to a horizontal line.

## TTL

In the TTL (Through-The-Lens ) system a telescope is inserted into the lens of eyeglasses so that the eyepiece is at an optimal distance from the pupil without the intrusion of other elements.

### TTL

- High customization
- Optimal weight balance
- Ready to use
- Improved depth of field
- It can be integrated with corrective lenses
- Lighter weight

## FLIP-UP

The Flip-Up System is a binocular vision device supported by an articulated arm attached to the glasses that allows individual personalization of the user's parameters.

### FLIP-UP

- Usable by several users
- Adjustable position of the binoculars
- Can be worn over prescription glasses
- Quick delivery of the system
- Easy to replace
- Larger blind spot

## GALILEAN OPTICAL SYSTEM

The design of the Galilean system usually consists of a double lens (a positive objective and an eyepiece lens), making it discreet and lightweight.

### GALILEAN

- Lower magnification
- Lighter system
- Immediate adaptability
- Large depth of field
- Increased brightness of the system

## PRISMATIC OPTICAL SYSTEM

The Prismatic system has a high optical quality, consists of a positive objective, a pair of prisms and still a positive eyepiece lens.

### PRISMATIC

- More complex optical system
- High resolution
- Further enlargements
- Absence of optical distortion
- Less depth of field

# ACCESSORIES



Microfibre cloth



Anti-fog cleaning lens liquid



Side shields



Nose pieces



Interchangeable sweatband sponges



Elastic strap adjuster



Protective lens



Sterilized knobs



Lens

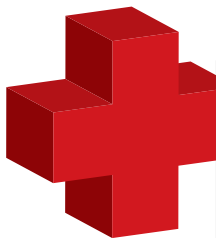
# UNIVET SERVICE

FOR INFORMATION VISIT THE WEBSITE [WWW.UNIVET.IT](http://WWW.UNIVET.IT) OR CONTACT YOUR LOCAL DEALER.



## PERSONALIZATION

All of Univet's TTL models are custom made following accurately the parameters of the user. To make them even more unique we offer a customization service of the product and the packaging by pad printing or laser marking.



## SERVICE MAINTENANCE

Univet provides a maintenance service of your magnifying systems to restore and maintain optimal quality performance over time.



## WARRANTY

All of Univet's magnifying systems are covered by a three-year warranty.

# UNIVET<sup>®</sup>

OPTICAL TECHNOLOGIES



Univet is specialized in **the design and manufacture of industrial, medical, and laser safety eyewear** together with **magnification systems devised for the surgical and dental sector.**

**Univet is the only Company in the world that can offer complete lines of magnification systems and safety eyewear** in so many diversified sectors: the interaction between these sectors facilitates the development of products characterized by innovative and original solutions.

Innovative, up-to-date, and internationally recognized, Univet is a Company in constant growth; from its headquarter of over 3,000 m<sup>2</sup> in Northern Italy it exports its products to more than fifty countries all over the world, with an export quota equalling 60% of its annual sales.







### **SAFETY. PLANNING YOUR PROTECTION**

The thorough ergonomic study of frames is combined with extreme care about design for a fresh conception of comfort and style.

An Italian touch of class to protect yourself.



### **LASER. INNOVATION FOR SAFETY**

Univet Optical Technologies: technology intended as innovation and also as continuous research towards solutions that can meet the clients' needs and taste.

### **MEDICAL. BE WELCOME TO WORK**

Each single model is designed to offer the best possible protection and vetted in its aesthetic and fitness to allow the operator to work in complete harmony with its eyewear.



### **LOUPES. BIG IS BETTER**

Entirely Made in Italy TTL and Flip-Up magnification systems for any operator's need. High-tech optical systems offering precision and comfort in every operation.



Univet is certified ISO 9001: 2008.

# FLIP-UP

galilean

2,5X



FLIP-UP EVO

prismatic

3,5X



FLIP-UP AIR-X

4,5X



FLIP-UP AIR-X

6,0X



HEADGEAR

# QUICK LOUPES

galilean

2,0X



546

2,5X



TECHNE

# TTL

galilean

2,0X



UNIVET-01

2,5X



TECHNE

3,0X



TECHNE RX

3,5X



ASH (S/L)



IRIS (S/L)

prismatic

3,0X



UNIVET-01

3,5X



ASH (S/L)

4,5X



IRIS (L)