



TECH

# QUARTERLY

educational and expert journal of M-TECH

4TH QUARTER 2021





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Dear Employees and Partners!

We are putting into your hands a compressed knowledge of M-TECH's activities in the last quarter of 2021.

You will find here knowledge about automotive lighting, expert articles, product news, company successes and a summary of the year!

We hope that our publication will appeal to you and bring you closer to the heart of the company.

Enjoy your reading!

*M-TECH Marketing Team*



## SUMMARY OF THE YEAR 2021

Dear Partners,

2021 has definitely been another year that has been marked by the turmoil caused in the global economy by COVID-19 - two waves in 2020 and another two this year. Higher manufacturing and shipping costs, massive increases in air freight prices, delays in global supply chains, and highly volatile exchange rates are just a few of the many difficulties we all had to face this year. Despite all these serious problems, I would like to present what M-TECH has achieved this year:

First of all, the Automechanika Frankfurt 2021 trade fair. It was the most important event this year for our company, and we count it as successful without a doubt. The fair was very limited in many aspects, but we still managed to awaken huge amounts of positive energy and motivation among our team. All seven departments of M-TECH did an excellent job in the preparation process as well as on site of the event. Thanks to this enormous teamwork, the sales department has managed to obtain numerous promising business contacts, which has already been reflected in satisfying sales figures. Here at M-TECH we believe that Automechanika Frankfurt 2021 is only the beginning of changes allowing us to build new relationships and mutual trust on new rules in the post-covid world.

Secondly, M-TECH has always strived to be a supplier of a wide range of products with sufficient stock levels. We have had many ambitious plans to expand our product range and release products of our own designs, based on the latest lighting technologies, and many of them have been realized. Despite not being able to visit China, the purchasing and R&D departments rose to the challenge. With the right purchasing strategy, our purchasing department made M-TECH one of the best stocked companies in the industry. At the same time, the R&D department introduced new LED retrofit models, as well as PRO series workshop lights. Further results of their hard work are currently in production and testing, so there are plenty of new products coming our way.

The marketing department is another department that has resiliently faced 2021. The team implemented – after months of hard work – a new website, refined the B2B panel and unified the company's audio-visual communication. Thanks to this accomplishment, just in 2021 - M-TECH is a brand that inspires rightful trust at first glance. We continually create educational content, expert articles, and press releases. You can already find our content in five most important automotive portals in Poland. Moreover, our products have gained users' trust, and we have been nominated to the PRODUCT OF THE YEAR 2021 ranking organized by AUTOEXPERT.

Sales, marketing, purchasing and R&D, can invent the best product in the world, manufacture, import, promote and then sell it in millions - but none of this would be possible without efficient logistics management, which is why our logistics and warehouse departments also play a key role in the functioning of our company, ensuring the highest level of service.

All departments have been mathematically connected by the analysis and controlling department and administration. Thanks to the first you have access – via the sales department – to any analysis that can be constructed in an excel file. In addition, a separate analysis department is a great mathematical support for purchases. The administration department will be helpful in any situation related to accounting.

The company I manage is the only one in the Automotive Lighting Econo segment to have its own logistics office in China, which is crucial for the organization of sea, rail and air transport. All goods safely reach our Partners, both from the central warehouse in Poland and directly from China. Thanks to delegating Poles to Shanghai, we are always able to respond to problems, not only logistical ones. Especially now, in these difficult times, where the situation in the

transport and production process is very dynamic, such an office is an invaluable support. The modern facility in Zabrze, commissioned at the beginning of 2020, is an element which completes the puzzle. With a team of professionals and a warehouse with a capacity of over 5,500 pallet places, M-TECH is probably in first place in its segment in the industry in terms of stock levels.

Dear Partners,

Thank you for the support and being with us as a business partner.

Thank you on behalf of myself, the entire Board of Directors and my staff for the opportunity for growth and new challenges, and I thank you for your trust and support.

We want to emphasize that the relationships that M-TECH has with existing and future partners often go beyond the usual business formula. That's why we too, in this message, would like to go beyond the usual business etiquette and let you know that M-TECH management will do everything within reach to make this 2022 a better one for you. M-TECH has come out of every previous crisis stronger, not through luck, but through ideas, goals and iron consistency in implementing them. This coming year will be no different. Many difficult decisions and a lot of hard work await us, our manufacturers, but also you. But what awaits you for sure from our side are the potential opportunities that are already slowly appearing on the market in the segment of lighting.

In the coming year 2022 I wish you, both on behalf of myself, the Board of Directors and all M-TECH employees: firstly health, secondly health, and thirdly and fourthly - optimism and prosperity!

Best regards,

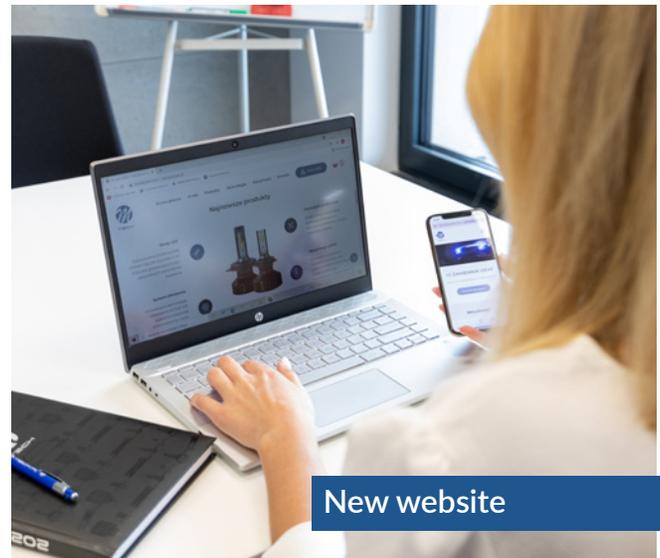


Tomasz Barczyk

CEO

M-TECH Poland Sp. z o.o.

## SUCCESSES IN 2021



New website



Automechanika Frankfurt



Nomination for the Product of the Year 2021



## NEW M-TECH LAMPS WITH EVE R23 REVERSING APPROVAL



The reversing manoeuvre is an everyday occurrence for every driver. However, it can cause a lot of trouble and stress even for experienced drivers. When we take into account night time, unfavourable atmospheric

conditions and narrow and cramped places, then the matter becomes even more uncomfortable and complicated. M-TECH once again meets the expectations of the automotive lighting market and introduces to its offer 3 brand new models of working lamps compatible with 12/24V installations. What distinguishes the new series from other working lamps available on the market is a very important feature, namely the ECE R23 homologation. The implemented EU directive R23 contains guidelines regarding the possibility of legalizing the work lamps as reverse lighting, which can be used without any obstacles, fully legally, on public roads throughout the European Union. It defines precise parameters that should be met by this type of lamp in order not to pose a threat to other road users.

Currently, many drivers use classic and typical LED work lamps as a way to illuminate the area then perform a reversing maneuver, not realizing the danger they cause on the road. The purpose of the lamps that do not meet ECE R23 standards is to illuminate the work area, which is why they are designed in such a way as to disperse the light as much as possible, as opposed to those that have such type approval. Special construction of the reflector in approved lamps allows to direct the beam in such a way as to most effectively illuminate the area behind the vehicle.

A new series of WLR lamps meets market expectations. Proposed WLR102, WLR228 and WLR243 models meet all these requirements. Highest quality components, reflective lenses and branded diodes used in the production process as well as IP68 and IP69K certificates are guaranteed for highest quality and reliability.

The WLR228 and WLR243 models are particularly noteworthy in the M-TECH range.

WLR228 is a slim type lamp. It is equipped with 6 highly efficient 5W LEDs that provide up to 2300 lumens luminous flux, so even in low light and limited visibility due to weather conditions it guarantees the best visibility. In addition, the lamp is distinguished by an innovative type of reflector, unprecedented in this product category, and a method of mounting diodes (PCB plate, to which diodes are attached, has been placed in the upper part of the lamp). All the above features guarantee the highest quality, efficiency and reliability.

WLR243 is a lamp with a classic square shape. Luminous flux of 3200 lumens is provided by 16 LEDs with power of 1,5W which ensures visibility even in the most difficult conditions.

Milky glass used in the production process additionally distinguishes this model from the competition. This model is another one of the "Performance" series which enjoys a constant interest in the market. As in the other models that do not have the ECE R23 homologation, an innovative reflector with advanced perforations of the "pyramid" type was used. Thanks to this solution, the surface is illuminated in the same way over the entire area.

Soon all models of the WLR (Work Lamp Reverse) series will be available in the best retail chains and automotive wholesalers in Poland.

*\*Note that the maximum number of reversing lamps on a vehicle must not exceed two, including those originally fitted. Only heavy goods vehicles may use an additional reversing lamp on each side.*

*Bartłomiej Szternal*

*Product Manager of M-TECH*



## PROFESSIONAL INSPECTION LAMP IN YOUR WORKSHOP

Portable workshop lamps, also known as inspection lamps, are one of the fastest growing segments of automotive accessory lighting. This is because precise workplace lighting is the basis for efficient and safe operations. This applies both to mechanics and DIY enthusiasts in the garage and workshop, but not only. In such a situation, a powerful workshop lamp is reliable and indispensable, which can be used to illuminate the components that need to be repaired either spot-on or as a whole, making it easier to diagnose the cause of the breakdown.

The most important features when choosing portable inspection lamps are light efficiency, durability and battery capacity. This has long been known by the best automotive manufacturers, in whose offer workshop lamps are becoming increasingly important.

The most important feature to pay attention to when choosing workshop lamps are the light sources used, which have a direct impact on the luminous flux. Recently this product category has been dominated by light emitting diodes commonly called "LEDs". One can distinguish three basic LED sources used in the production of workshop lamps: flux, COB and SMD. Leading manufacturers are increasingly turning to the SMD technology, which allows to obtain the best efficiency from 1W, so we can get much stronger "light". Currently, the most common luminous flux value in portable workshop lamps is between 200lm and 500lm. Recently, however, hand-held compact workshop lamps have appeared on the market, in which this value reaches even 1100 lumens.

A very important element when choosing workshop lamps are the materials used in the production process, which have a direct impact on the durability of the product itself. Until now, the majority of lamps on the market have been manufactured on the basis of ABS or plastic materials, which do not belong to the most durable materials. Recently, however, it can be noticed that manufacturers have started to turn towards higher-end materials, such as metal or polycarbonate. The use of such components significantly affects the quality and durability, and thus allows you to enjoy longer use in harsh conditions, which, as we know, are the everyday life of portable workshop lamps. For this reason,

a very important element when choosing should also be the class of water resistance and mechanical resistance at a minimum level of IP54 and IK08.

Another element you should pay attention to is the battery capacity. On the market, the most common are lamps with the cell capacity in the range of 2200mAh - 2600mAh. This is also understood by the leading manufacturers of this segment of lighting, hence more and more often on shop shelves you can find models in which this value is even 5000 mAh. It should be remembered that the capacity of the battery directly affects the comfort and working time of a given lamp.

One more issue is important, namely additional elements. Practical hooks and strong magnets allow to place the lamp almost in every possible place making work much easier and directly influencing its quality. It is also important that the workshop lamp guarantees the possibility of regulating the light angle in any range.

To meet the latest trends and the increasingly high demands and expectations set by users of this type of lighting, M-TECH has proposed a new quality in the segment of inspection lamps, namely the ILPRO series. With unflagging interest in the ILPRO103, ILPRO104, ILPRO105, ILPRO109 and ILPRO307 models introduced in early 2021, M-TECH decided to follow suit and introduce a brand new model - the ILPRO120 - expanding the ILPRO range.



ILPRO120 is a lamp with a wide range of applications. Its main use is under the bonnet of a car, which allows for excellent illumination of the engine compartment, making work much easier and more efficient, or to illuminate the interior of a car by attaching the lamp to the roof. Adjustable brackets span from 117 to 163 cm and a special material which covers the given elements ensures 100% protection of the varnish against scratches or damage. In addition, the entire luminous element has the possibility to adjust the angle of incidence of light

within 120 degrees, which is its undoubted advantage. The light is provided by 120 brand SMD diodes, thanks to which we have obtained a luminous flux of max. 1800 lm. ILPRO120 has three modes of light (100%, 50%, 30%), which makes it possible to adjust the amount of light to any conditions. ILPRO120 boasts a 5000 mAh cell, which, combined with 3 modes, allows you to enjoy continuous operation for up to 10 hours. In addition, the model is equipped with a built-in battery charge indicator, which makes it easy to check the battery charge level and has a direct impact on working comfort. The ILPRO120 uses the innovative "Dual 2 in 1" system. It allows for continuous operation even when the battery is low, as the battery is simultaneously charged when connected to the mains.

Introduced in early 2021, the models: ILPRO103, ILPRO104, ILPRO105, ILPRO109 and ILPRO307 immediately became bestsellers in M-TECH's offer. Applied solutions such as light sources in combination with the highest quality materials used in the production process allow them to withstand even the toughest working conditions, which are everyday occurrences for most users of workshop products. The use of an intelligent system of switching off the lamps - after 3 seconds from switching the lamp on and switching it into a convenient working mode, one click switches it off - is their additional advantage. This means that we don't have to click several times to turn the lamp off, which can be irritating with regular use. The lamps are equipped with a protection system against overcharging and discharging (overcharging protection system).

The products are IP54 certified, which makes them waterproof, while the housing remains resistant to dirt. In addition, mechanical resistance class IK08 protects them against external mechanical impacts (the lamp can withstand a fall of an object weighing 1700 g from a height of 29.5 cm) - thus affecting the durability of the device and safety of use.

## WHAT FEATURES DISTINGUISH EACH MODEL?



**ILPRO103** is the most powerful, handy, pocket lamp with an incomparable ratio of lumens to its dimensions. Thanks to the application of brand diodes from leading manufacturers we obtain a luminous flux of up to 600 lumens, and the materials used in the production process, such as polycarbonate and metal, are a guarantee of the highest quality and reliability. An additional element is a belt clip and a built-in magnet

making it easy to use. The product is equipped with a jack charging function.



**ILPRO104** is a foldable lamp of small size. The narrow, movable light part with the possibility of 270 degrees of manoeuvring and the light reaching up to 500 lumens enables any setting of a strong light beam in hardly accessible places. The ILPRO104 workshop lamp is also equipped with an LED battery status indicator. In addition, the improved battery allows for up to 20 hours of continuous use, and the metal hook and built-in magnet significantly increase the usefulness of the lamp. The product is equipped with a micro USB charging function.



**ILPRO105** is distinguished by a flexible head (the luminous part is mounted on a flexible element connecting it with the rest of the lamp) and the possibility to manoeuvre the entire lamp by 360 degrees around its own axis. The application of these two solutions allows you to freely adjust the light beam, ensuring comfortable work even in the most inaccessible places. In addition, the lamp is equipped with a brightness regulator in the range of 10% - 100% (the so-called dimmer), so you can reduce its intensity in places where it is not needed and thus extend the operating time up to 20h. In addition, it has been equipped with a LED battery status indicator, which allows you to continuously monitor the battery charge level (indicator). The product is equipped with a micro USB charging function.



**ILPRO109** is currently the most powerful handheld workshop lamp on the market. Thanks to the application of the best, branded light sources, we obtain a strong, uniform light beam of luminous flux up to 1100 lumens for the main function

and up to 200 lumens for the auxiliary function, which, with a 5000mAh battery, allows up to 8 hours of continuous operation. In addition, the best quality materials such as polycarbonate combined with the above features create a top shelf product. The lamp is equipped with two strong magnets, a 360-degree hook and a separate button for reducing the light output to 50%. The product is equipped with a jack charging function.



**ILPRO307** is an innovative and professional inspection lamp from M-TECH's latest range of lamps. The main advantage of ILPRO307 is the ability to adjust the lamp in two planes: around its own axis of 360 degrees (independently) and 180 degrees in the direction of its axis of rotation (independently) and 180 degrees in the other plane (independently)!

In addition, the light reaching up to 1000 lumens allows for precise and reliable illumination of the workplace. Practical hooks and strong magnets allow to place the lamp in almost any possible place making work much easier and directly influencing its quality. The product is equipped with a jack charging function

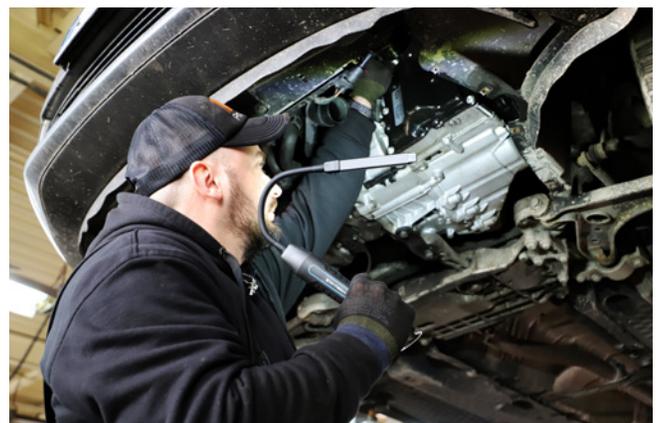
In conclusion, M-TECH's innovative ILPRO series of inspection lamps is a guarantee of the highest quality products. The range has been selected so that everyone can find the right tool for their work. The light sources and materials used in the production process make the ILPRO series lamps can boldly compete with models of the best manufacturers in the world.

It should be remembered that light efficiency, durability and battery capacity have a direct impact on comfort, safety and quality of work performed.

Durability, reliability and professionalism - these are the hallmarks of the new M-TECH PRO range of inspection lamps.

*Bartłomiej Szternal*

*Product Manager of M-TECH*





## PREMIUM



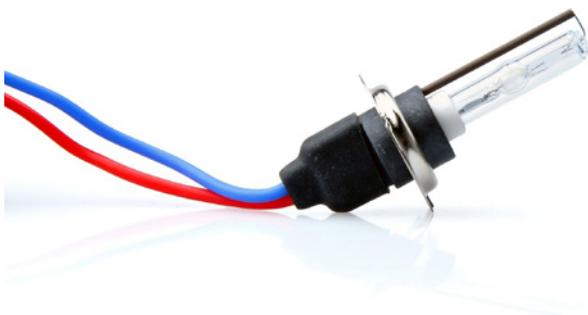
- bulge on the glass with a characteristic curve that increases the heat transfer surface, thus improving the lifespan
- up to 30% more light on the road = efficiency improved by 30%
- Austrian high-quality electrode
- noble gas mixture imported from the USA to protect the bulb against ageing
- UV filter to protect the reflectors against damage and tarnishing
- double hardened quartz glass to improve the light output and to ensure high shock resistance
- metal stabilizers to guarantee a perfectly set focal length
- ECE homologation
- strong white light

## BASIC



- Austrian high-quality electrode
- noble gas mixture imported from the USA to protect the bulb against ageing
- double hardened quartz glass to improve the light output and to ensure high shock resistance
- metal stabilizers to guarantee a perfectly set focal length
- strong white light

## HID



- ceramic frame to keep the bulb vertically for proper positioning right after the installation
- metal collar for form fixture and easy plug&play installation
- wide luminous flux from 4300K to 12000K color temperature
- hermetically sealed connectors
- integrated power cables
- hardened quartz glass
- carefully selected gas mixture to improve the efficiency
- plastic cover and foam to protect the bulb against damage



# M-TECH IN THE MEDIA

Being experts in the field of automotive lighting, we try to share our knowledge with our partners in the media and in automotive magazines.

Thanks to these actions, step by step, we are building awareness of the M-TECH brand among customers both at home and abroad.

Our aim is to regularly share technical knowledge about automotive lighting, which is why we create expert publications and product notes.

Thank you for your trust!

Read our articles published periodically on the seven most important automotive portals in Poland:



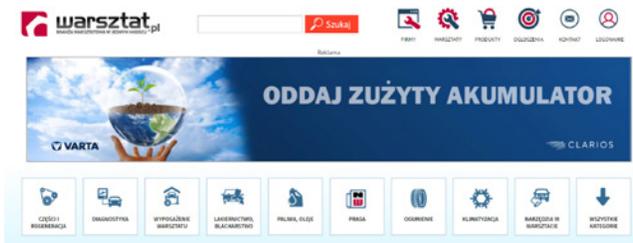
Bardziej wydajne światła cofania z homologacją ECE R23 - nowy produkt marki M-Tech



Publikacja na zamówienie



Retrofity LED stają się coraz bardziej popularne wśród użytkowników samochodów. Firma M-TECH jako jeden z liderów oświetlenia w branży automotive posiada obecnie jedną z najszerszych dostępnych na rynku, ofertę zamienników tradycyjnych żarówek. Dostępne serie Basic, Premium, Platinum oraz Heavy Duty pozwalają zaspokoić wymagania najbardziej wymagających użytkowników dróg zarówno pod względem ceny, zastosowanego źródła światła, kształtu czy też rozmiaru.



Jakość premium, cena przystępna - oto strategia M-Tech Poland [WYWIAD]



Nieustannie zyskujące popularność lampy warsztatowe z serii ILPRO oraz światła ledowe z innowacyjną technologią chłodzenia ACTIVE AIR, która zapewnia odprowadzanie ciepła, a przez to utrzymuje temperaturę żarówki na właściwym poziomie. To produkty zaprezentowane przez polską firmę z branży oświetlenia motoryzacyjnego, M-Tech Poland, podczas tegorocznych targów Automechanika Frankfurt (14-16 września). Rozmawiamy z CEO firmy, Tomaszem Barczyńskim.

Spotykamy się na targach Automechanika Frankfurt - targach uzupełnień wyjątkowych z liczbą ok. 150 wystawców Ryczenie na halach. W Internecie podobna grupa firm. Dla porównania w poprzedniej edycji w targach wzięło udział ok. 5 tysięcy firm. Jak ocenia pan te targi?

Tudno oceniać. Oczekiwania nie były przesadne wygórowane biorąc pod uwagę fakt, że zapewniona jest tylko ta jedna hala. Jesteśmy dumni, że jednak Polska jest tutaj mocno reprezentowana przez wielu znanych i szanowanych dostawców, producentów czy traderów, tak jak my. Biorąc pod uwagę ruch, jaki tutaj mamy, ja jestem zadowolony.

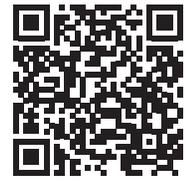
Inni wystawcy, z którymi rozmawiam, wskazują, że choć liczba gości nie jest oszałamiająca, dominują osoby zdecydowanie



- INNE ARTYKUŁY
- Nowy taryfikator mandatów. Oto szczegóły
  - No to zaczynamy rok 2022!
  - Od 1 stycznia koliduje trzykrotnie godzinie!
  - Air Liquide i RECO dla wodnorodnej mobilności w Europie
  - Za nami rok 2021. Jaki był w branży warsztatowej?
  - Niezwydny akumulator zimą - poradnik
  - Półwieki akumulator - co to takiego?
  - Fazy pracy lamp ksenonowych [PORADNIK]
  - Debut platformy HOBED na CES 2022
  - Wskazówki dotyczące wymiany tosyk piast kol [PORADNIK]



# 3...2...1 LINKEDIN!



Our profile on LinkedIn - M-TECH Poland!  
 We created this place to be a mine of knowledge in the field of automotive lighting.  
 Follow our expert publications and comments, combined with interesting facts, which will bring you closer to the subject and brighten up the diverse world of light bulbs.  
 By the way, let us show you a little bit about ourselves.  
 You will also find information about our company and products that we have not presented anywhere else!  
 Watch us and stay up to date!

**M-TECH POLAND**  
 87 obserwujących  
 2 t •

Dear Partners,  
 In the coming year 2022 we wish you, on behalf of all M-TECH employees, firstly health, secondly health, and thirdly and fourthly optimism and prosperity!  
 We warmly invite you to watch our latest video, in which you can see some of our team!

#mtech #mtechpoland #mtechonboard #automotive #automotivelighting #team #christmas #2022 #newyear

Zobacz tłumaczenie

Merry Christmas 21

**M-TECH POLAND**  
 87 obserwujących  
 1 t •

"The year 2021, which has already passed. M-TECH must count as a successful year. Everything points to us achieving our historically highest sales volume, and we have also won over some strategically important partners.  
 Clearly the most important event for our company was the Automechanika Frankfurt trade fair. Since the beginning of the year, the whole company has been living in hope that this fair would be "pre-covid". At the final straight, the Delta variant thwarted all plans. Instead of 5000 exhibitors, hundreds of thousands of visitors in a dozen halls, we had exactly one hall and 123 exhibitors.  
 As the CEO of M-TECH, I can say that the trade fair has a huge impact on motivation in the company. After a year and a half of pandemics, trade fairs, in the organisation of which absolutely every department is involved, bring about mobilisation, strengthen the sense of common purpose in the company and act as a shot of positive energy for a few months. Especially if they are successful. In our case, we came to the stand with not very high expectations. Despite the micro scale, the sales results are already clear, and the non-sales targets exceeded my expectations many times over. From this side, congratulations and greetings to all the brave ones who exhibited!" - T. Barczyk, CEO of M-TECH.  
 We invite you to read the interview in AUTOEXPERT!  
 #mtech #mtechpoland #mtechonboard #automotive #automotivelighting #autoexpert #interview #ceo

Zobacz tłumaczenie

INTERVIEW WITH OUR CEO IN AUTOEXPERT!

**M-TECH POLAND**  
 87 obserwujących  
 3 t •

We are proud to announce that our constantly developing cooperation with fire brigades, both state and voluntary, has lasted for over 3 years.  
 During this time, we have equipped rescue and fire-fighting vehicles, light vehicles, quads and fire brigade ladders with M-TECH lighting, which contributes to the increase of effectiveness and efficiency of saving human life and property, not only in Poland. After all we know that our Firefighters go abroad to help local services, always when the situation requires it.  
 As we know, recent years have been full of bigger and smaller natural disasters in Europe and in the world, and with the changing climate, the future looks rather dark. As a manufacturer, we are all the more pleased to know that the durability and reliability of our products are tested under the toughest conditions, and the fact that they pass these tests with flying colours is a guarantee of the highest quality.  
 Among the range of products tested and used by Fire Brigade Units there are LED working lamps, LED long-range road lamps and LED retrofits used for lighting the interiors of fire engines.  
 We would like to thank you very much for your time so far and we are sure that in the coming years our cooperation will be even more fruitful.

KMPSP Gliwice  
 JRG Knurów  
 OSP Chojny  
 OSP Suchy Bór  
 KMPSP Knurów

#mtech #mtechpoland #mtechonboard #automotive #automotivelighting #help #thankyou

Zobacz tłumaczenie

WE SUPPORT FIREFIGHTERS

**M-TECH POLAND**  
 87 obserwujących  
 3 mies. •

Good logistics is fundamental in the commercial sector.  
 Our company as the only one in Automotive Lighting segment of Econo has its own logistic office in China, which is crucial for the organization of sea, rail and air transport. All goods safely reach our Partners both from the Main Logistic Centre in Poland and directly from China. Thanks to delegating Poles to coordinate logistic office in China, we are always able to react on logistic problems, especially now, in these difficult times, when situation in transport is very dynamic. The modern Logistics Centre in Zabrze is a key piece of the puzzle which, thanks to our Team of Professionals and a warehouse with a capacity of 5500 pallet places, ensures that M-TECH Poland is one of the best supplied company in its sector and distributes daily to Customers in over 60 countries around the world.

#mtech #mtechpoland #mtechonboard #automotive #automotivelighting #transport #logistics

Zobacz tłumaczenie

MODERN LOGISTICS



# OUR FACEBOOK

Why is it worth watching us?  
Our profile on Facebook means product news, interesting facts and interesting contests!

Like us today and stay up to date!



Z dumą informujemy, iż nasza stale rozwijająca się współpraca z jednostkami Straży Pożarnej - zarówno Państwowej, jak i Ochotniczej, trwa już przeszło 3 lata. 🇵🇱  
W tym czasie wyposażyliśmy wozy ratowniczo - gaśnicze, pojazdy lekkie, quady oraz drabiny straży pożarnej w oświetlenie marki M-TECH, czym przyczyniamy się do zwiększania skuteczności i efektywności ratowania ludzkiego życia i mienia nie tylko w Polsce. Wszak wiemy, iż nasi Strażacy wyjeżdżają za granicę celem pomoc...  
Zobacz więcej



# NOVELTIES & PRODUCTS

available again in our regular offer

## LED SETS



**LSF1**  
EAN: 5901508550637



**LSF4**  
EAN: 5901508550651



**LSF5**  
EAN: 5901508550668



**LSF6**  
EAN: 5901508550675



**LSF7**  
EAN: 5901508550682



**LSF11**  
EAN: 5901508550644

# POWERTEC

## BE SAFE WITH M-TECH

powered by



TECH



**SUPER WHITE**  
FOR SAFETY

**XENON BLUE**  
FOR STYLE

**PLATINUM**  
FOR PERFORMANCE

**Bright,**  
intensive **light**  
Increased **visibility**  
Up to **2500h**  
lifespan  
Homologation

**30% COOLER LIGHT\***

**Blue xenon**  
light effect  
Excellent  
**cornering light**  
High **contrast**  
**Off-road** only

**UP TO 6500K**

**White,**  
intensive **light,**  
Improved **visibility**  
and driving **comfort,**  
Created for the  
demanding **customers,**  
Homologation

**20% LONGER DISTANCE\***

\*COMPARED TO A STANDARD LIGHT BULB.

**Available models: D1S, D2S, D2R, D3S, D4S**



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