



**COR ACTIVE**

**INNOVATIVE OPTICAL FIBER**  
**TECHNOLOGIES**

**EMBRACE  
THE VISION.**

# Welcome



# About



FOUNDED IN  
**1998**



 **Headquartered**  
In Quebec City, Canada


  
**90%**  
EXPORTS

 **+10**  
DISTRIBUTORS  
ASIA / NORTH AMERICA / EUROPE

**Vertically integrated**

**OPTICAL FIBER**  
DEVELOPER & MANUFACTURER

**FIBER LASER**  
SOLUTIONS




PRODUCTION CAPACITY

**INDUSTRIAL**



**+50**  
EMPLOYEES



**25** YEARS OF  
**EXPERTISE**

IN OPTICAL FIBER DEVELOPMENT

  
MATERIAL PROCESSING | TELECOMMUNICATIONS | SENSING

**30%**

**of our employees**  
are working in R&D  
developpement



# Who are we?

At Coractive, we're constantly designing and innovating to manufacture specialized optical fibers so our customers can become and remain leaders in their markets.

With the mission of providing the highest quality optical fiber solutions since 1998, we specialize in optical fiber design and manufacturing.



## Mission

Making a difference and **developing & manufacturing cost-effective innovative optical fiber technologies** for the world of tomorrow.

# Key Partners

Partnerships for innovative product and technology development



INO is the largest centre of expertise in optics and photonics in Canada and is among the best technological research centres in the world.



Coractive's parent company, Han's Laser, is a world leading manufacturer of laser equipment and a flagship of China's national laser industry



The COPL is the Quebec cluster of recognized experts in optics and photonics. Its research excellence, state-of-the-art facilities and comprehensive scientific program position the COPL among the best centers in the world.



# Our Solutions

We provide our clients with a complete and integrated solution: from manufacturing glass preforms and optical fibers to fiber lasers development.



## OPTICAL FIBERS

Extensive selection of active and passive fibers suitable for applications such as fiber lasers, optical amplifiers, and ASE sources.



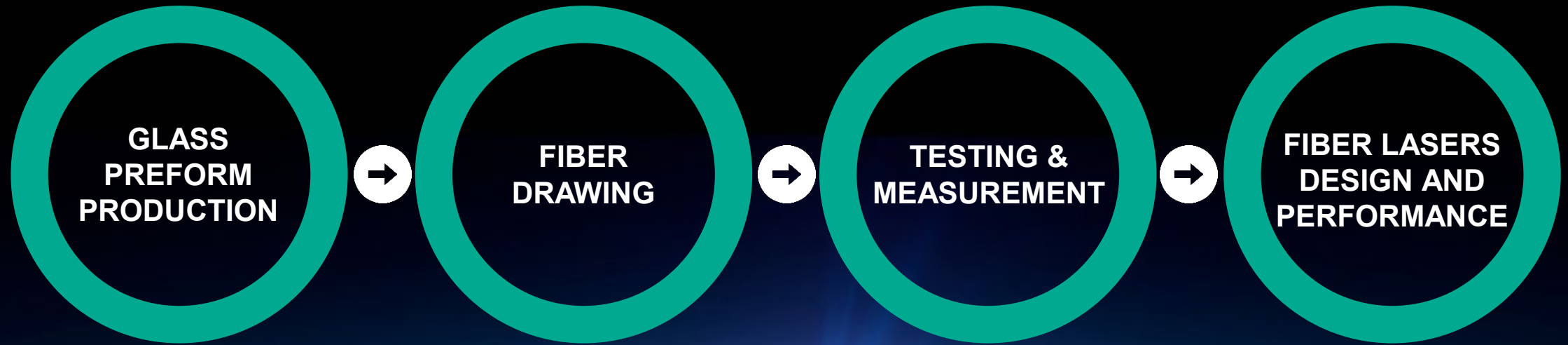
## FIBER LASERS

- Fiber laser development
- Ultrafast fiber laser solutions

# Vertically Integrated

More flexibility, agility and quality

Complete control on the manufacturing process | Highest level of quality at lower costs



# Coractive New Facility

Gross Area : 75 000 m<sup>2</sup>

Greatly Increased Production Capacity

High-Tech Manufacturing Environment





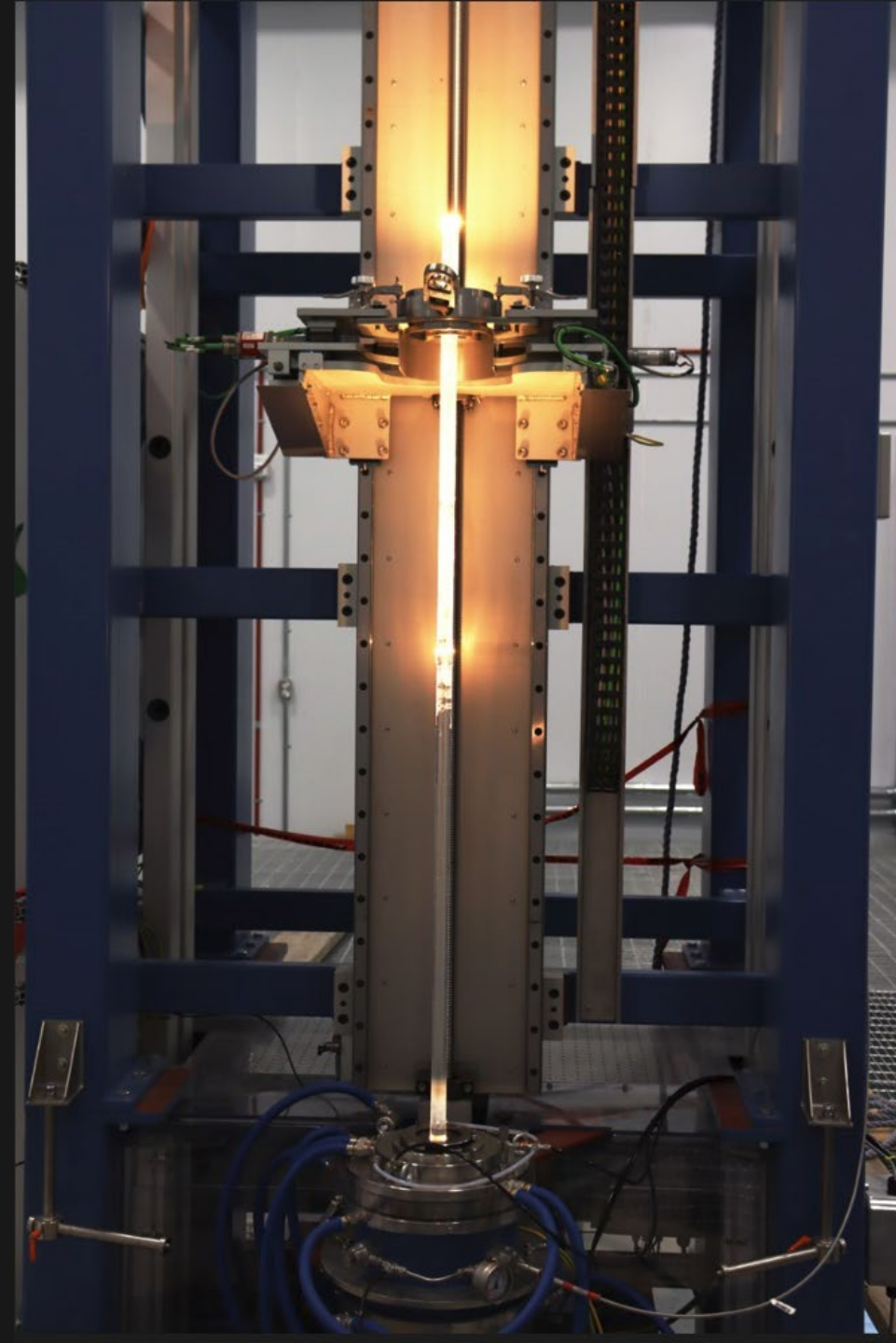
# Our New Facility

Our commitment: to support our customers over their product lifetime, from **R&D and prototyping**, through their **ramp-up** phase and towards their **full scale production** stage.

**CAPACITY  
RAMP-UP**

**INNOVATION  
AND AGILITY**

**STATE-OF-THE-ART  
TECHNOLOGY**



# Our New Facility

## Immediate increase in production capacity

New draw towers and preform manufacturing equipment (size, speed and control)

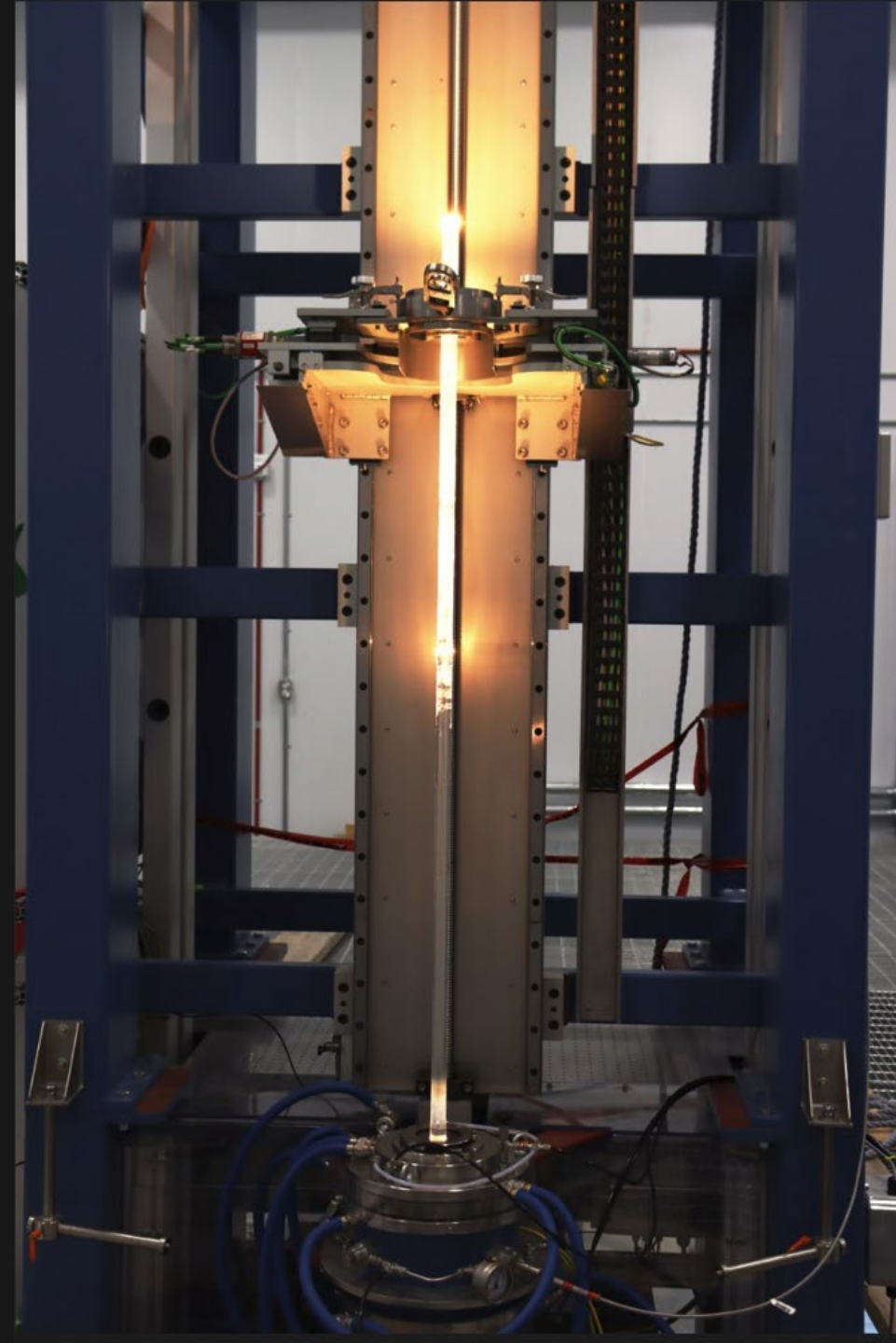
## Available space and technology to expand output

Growth dedicated to high volume ramp-up of strategic market sectors and for derived technologies

**CAPACITY  
RAMP-UP**

**INNOVATION  
AND AGILITY**

**STATE-OF-THE-ART  
TECHNOLOGY**



# Our New Facility

## Strong innovation focus

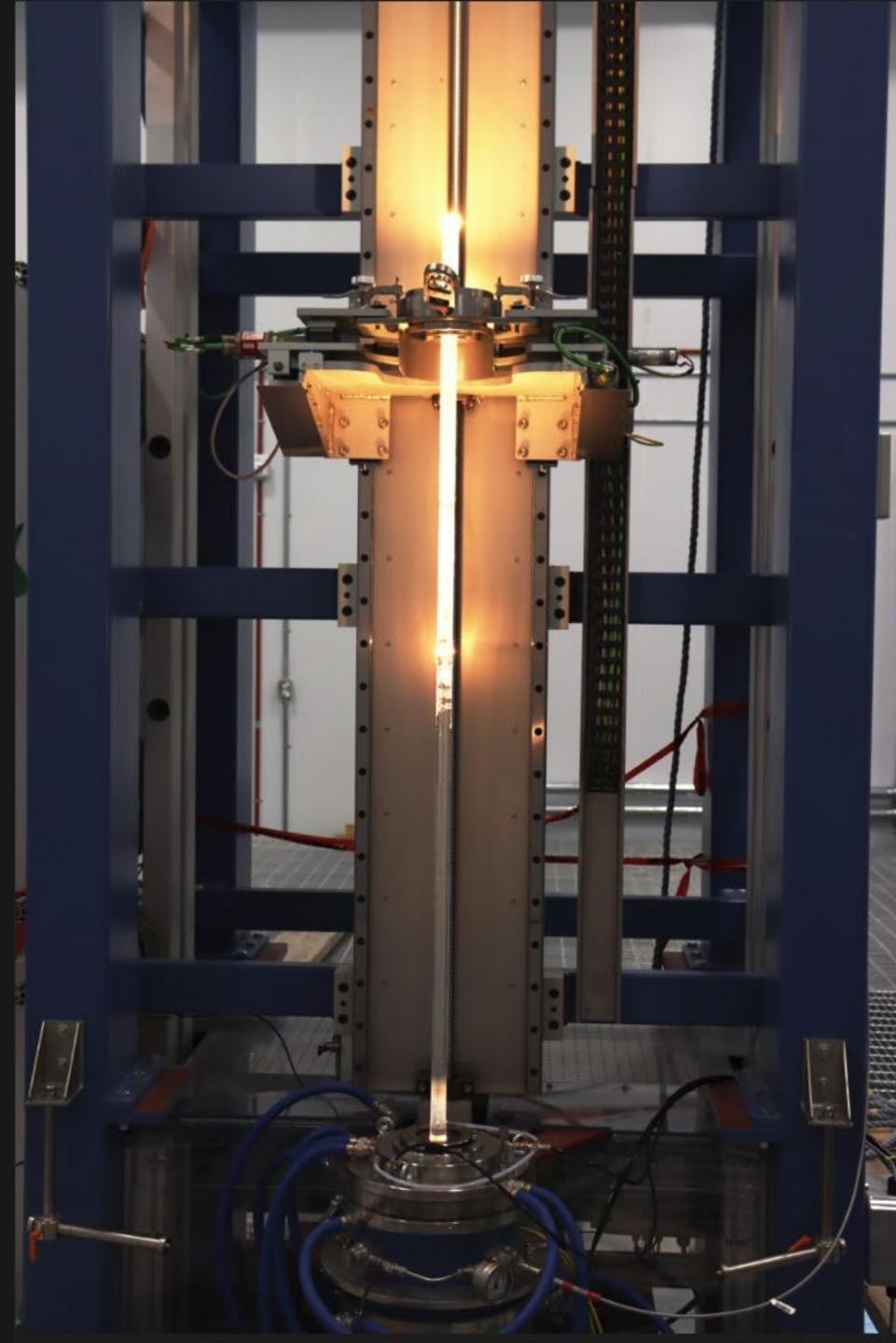
Continue to offer adapted solutions for our customer's applications and fast prototyping

New facility and labs will enable the development of new product lines

**CAPACITY  
RAMP-UP**

**INNOVATION  
AND AGILITY**

**STATE-OF-THE-ART  
TECHNOLOGY**





# Our New Facility

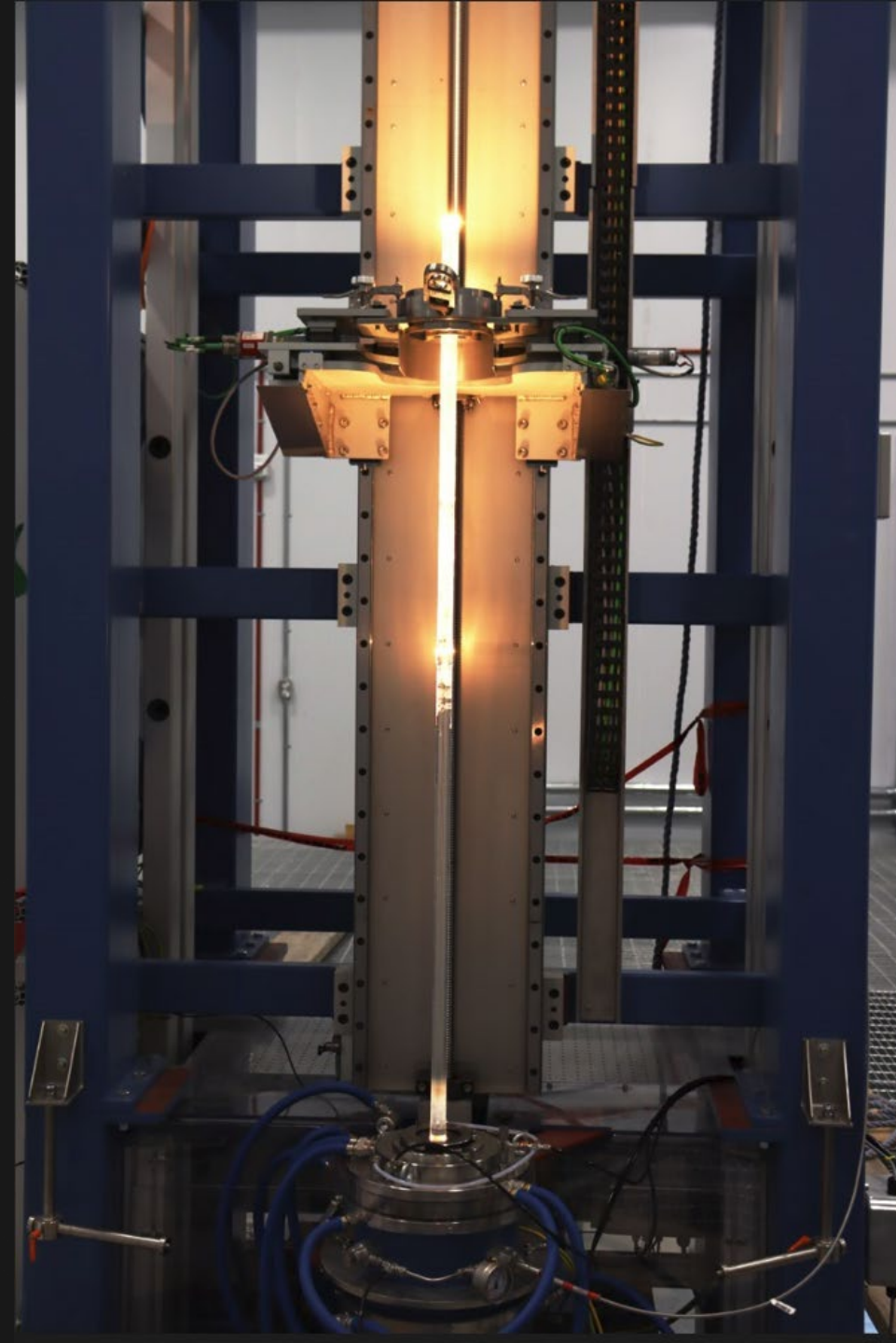
State of the art environment and manufacturing equipment

High volume process optimizations and a focus on batch-to-batch consistency of critical fiber parameters

CAPACITY  
RAMP-UP

INNOVATION  
AND AGILITY

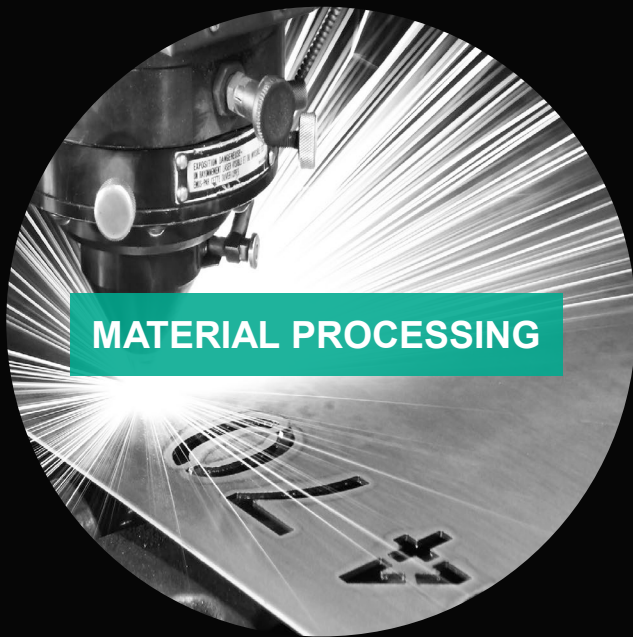
STATE-OF-THE-ART  
TECHNOLOGY





# Our Markets

A proven track record in developing solutions for the needs of a variety of applications.



**& other emerging applications**

# Worldwide Presence



- ★ Headquarters
- Sales Office
- Distributors



# **Optical Fiber Solutions**

## **Overview**

One of the most extensive selection of active and passive fibers on the market.

# Applications

Optical fiber technologies are at the core of a variety of applications



## MATERIAL PROCESSING

- Cutting and welding
- Laser marking & engraving
- Laser cleaning
- ...and more

## TELECOM

- Optical amplifiers
- Optical attenuators
- Fiber Bragg Gratings
- ...and other optical components

## LIDAR

- Autonomous vehicles
- Wind sensing
- Metrology
- Defense

## SPACE COMMUNICATIONS

- Low Earth orbit (LEO) communications
- Inter-satellite links
- ...and other novel applications

*Plus other emerging markets*



# Portfolio

Specialty Optical Fibers – **Active** Fibers



## MATERIAL PROCESSING



Yb Fibers for Pulsed Lasers



Yb Fibers for CW Lasers



Yb Tapered Fiber for Ultrafast



PM Fibers

## TELECOM



Er Fibers



Er/Yb Fibers

## LIDAR



Er Fibers



Er/Yb Fibers



PM Fibers

## SPACE COMMUNICATIONS



Er Fibers



Er/Yb Fibers

# Portfolio

Specialty Optical Fibers – **Passive** Fibers



## MATERIAL PROCESSING



Beam Delivery  
Fibers



Single-Clad  
Fibers



Double-Clad  
Fibers



PM Fibers

## TELECOM



Attenuating  
Fibers



Photosensitive  
Fibers



Single-Clad  
Fibers



Non-Linear  
Fibers

## LIDAR



Attenuating  
Fibers



PM Fibers



Single-Clad  
Fibers



Double-Clad  
Fibers

## SPACE COMMUNICATIONS



Attenuating  
Fibers



Single-Clad  
Fibers



Double-Clad  
Fibers



# Thank you!

[info@coractive.com](mailto:info@coractive.com) | [www.coractive.com](http://www.coractive.com)

