

Two parallel orange diagonal lines crossing the background from the bottom-left towards the top-right.

lumet 2.0

by tecnar



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VICE-PRESIDENT LASER-ULTRASONIC
PRODUCTS

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Lus4Metals

What's new in laser-
ultrasonics at Tecnar

About

tecnar

Innovate to differentiate.



About

tec**nar**

Innovate to differentiate.

- Founded in 1989, based in Saint-Bruno, Canada
- Spin off of the National Research Council Canada
- Over 70 employees (as of last week...)
- Four product lines with over 500 clients in over 30 countries
 - Offices in China and India

Turning science into sustainable innovation



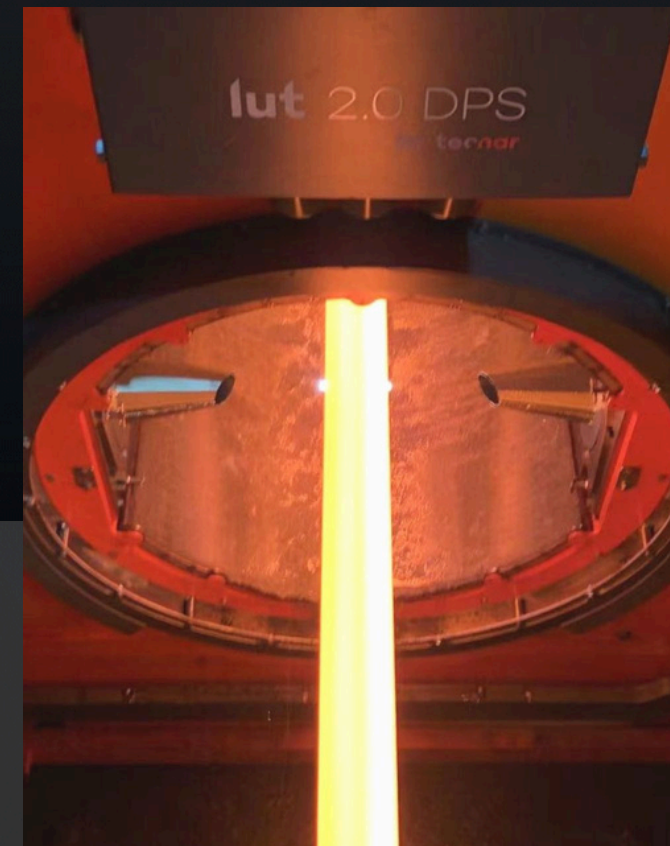
ROTOWELD

Automated welding



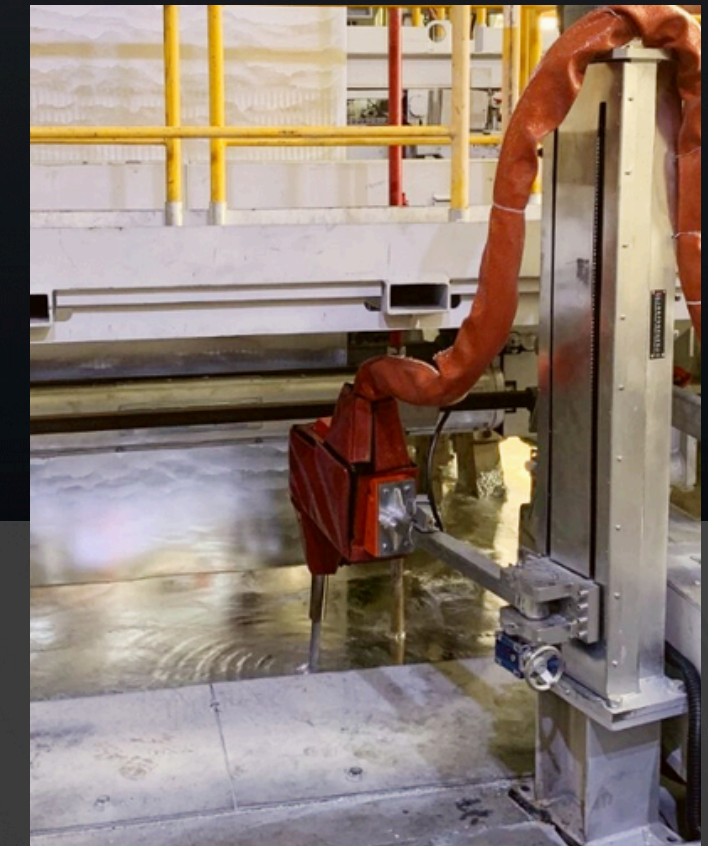
ACCURASPRAY

Online thermal spray
sensor



LUT

Laser-ultrasonics from
laboratory to online
sensors



GALVALIBS

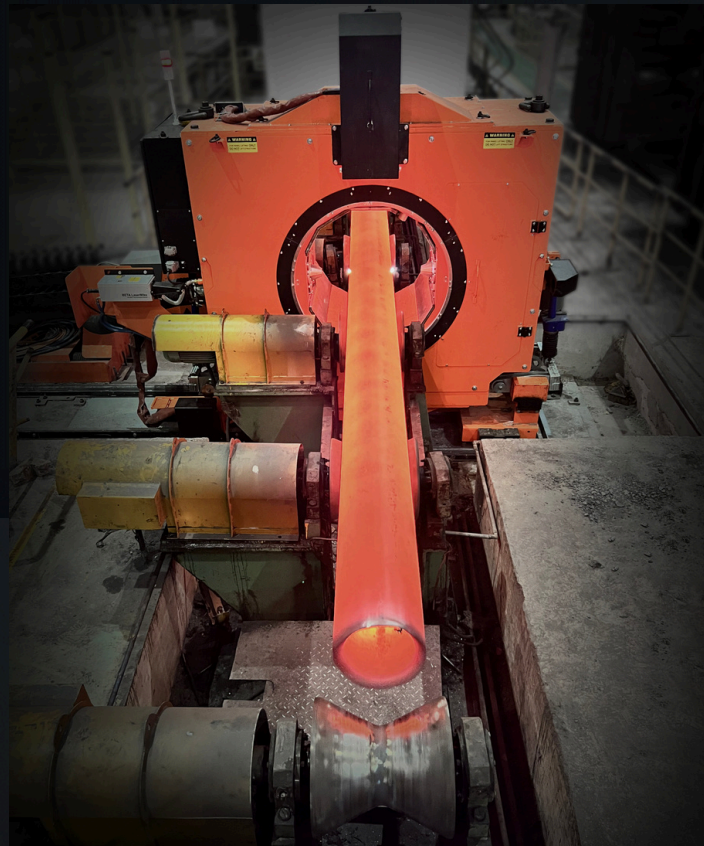
Online galvanizing pot
chemistry sensor

About

tec^{na}r

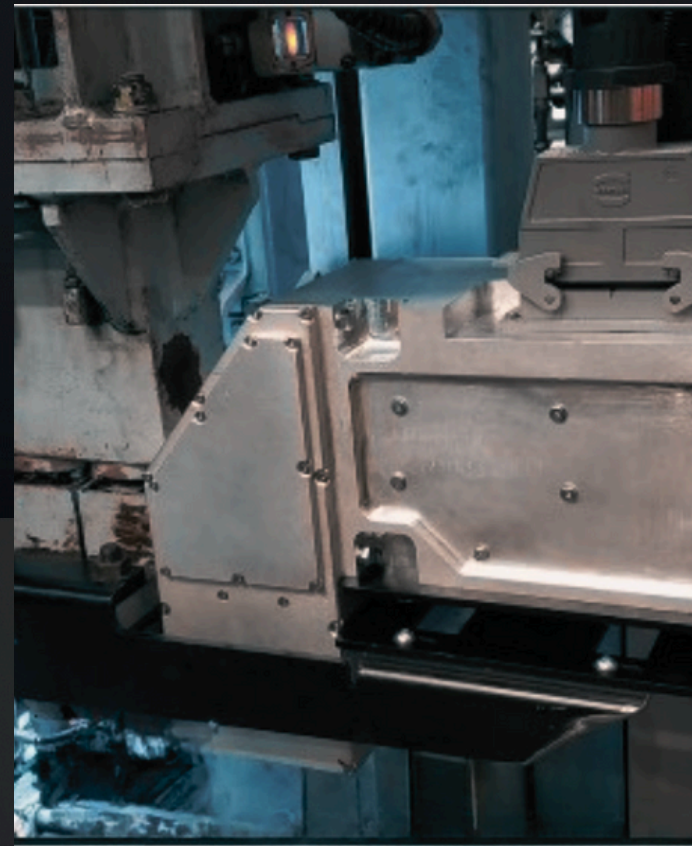
laser ultrasonics

- Industrial systems:
 - Lut - online wall thickness gauge
 - Weldspector - Online weld inspection
- Turnkey systems:
 - Lumet, Lus Explorer, Lus Ultimate
- Laser-ultrasonic components:
 - Lus Discovery, Lus Advance
 - Marathon, PDL, TWM



LUT

Online wall thickness
gauge for hot seamless
pipes



WELDSPECTOR

Online coiling joining
weld inspection



LUMET

Metallurgical studies



LUS

Tools for academic and
industrial research

lumet 2.0

by tecnar

New version of the Lumet

- New design of probe and interface
- Stand-alone system
- Easy coupling to different types of simulators

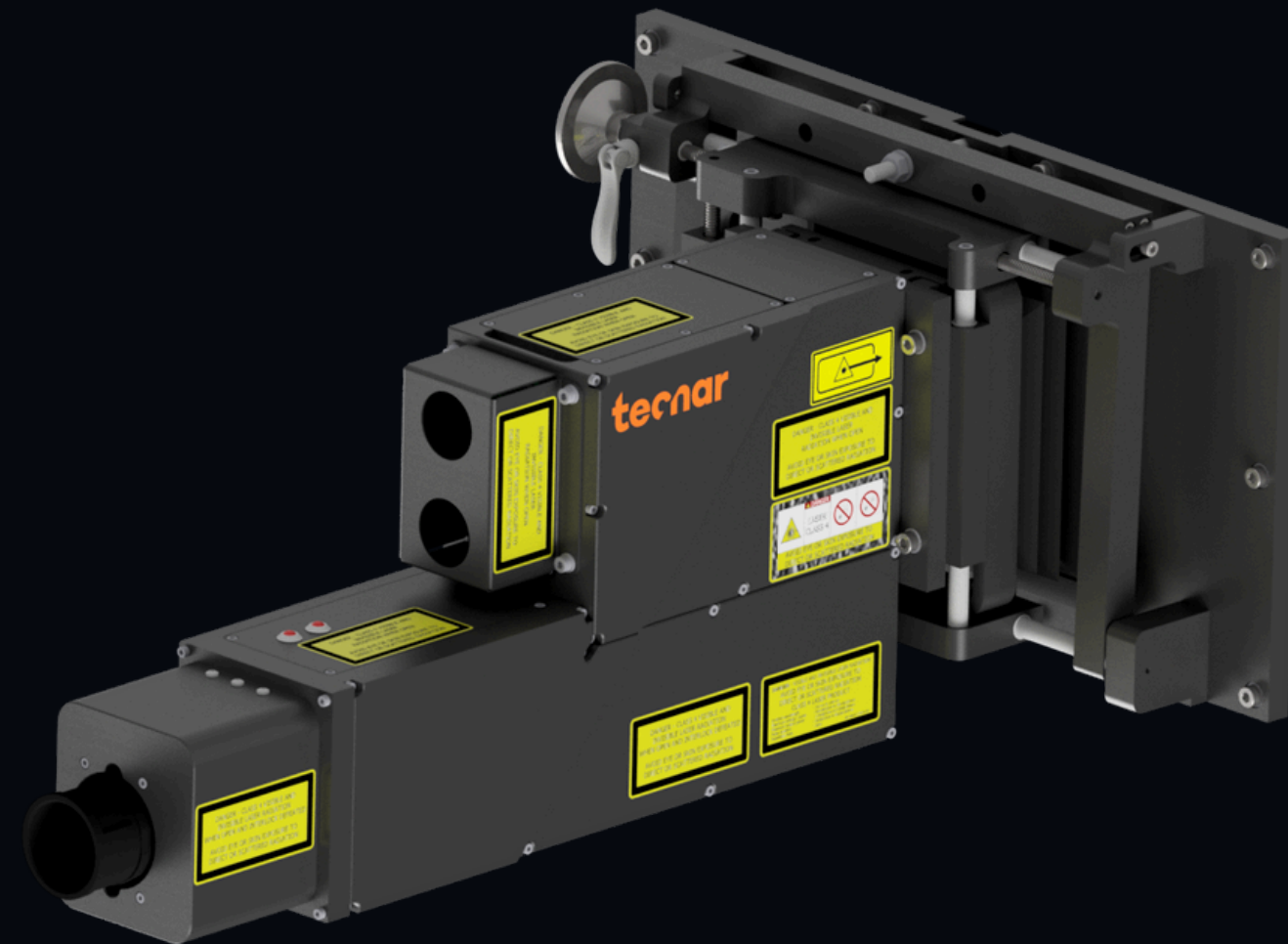


lumet 2.0

by tecnar

New version of the Lumet

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lus explorer

New turnkey laser-ultrasonic system for academic research

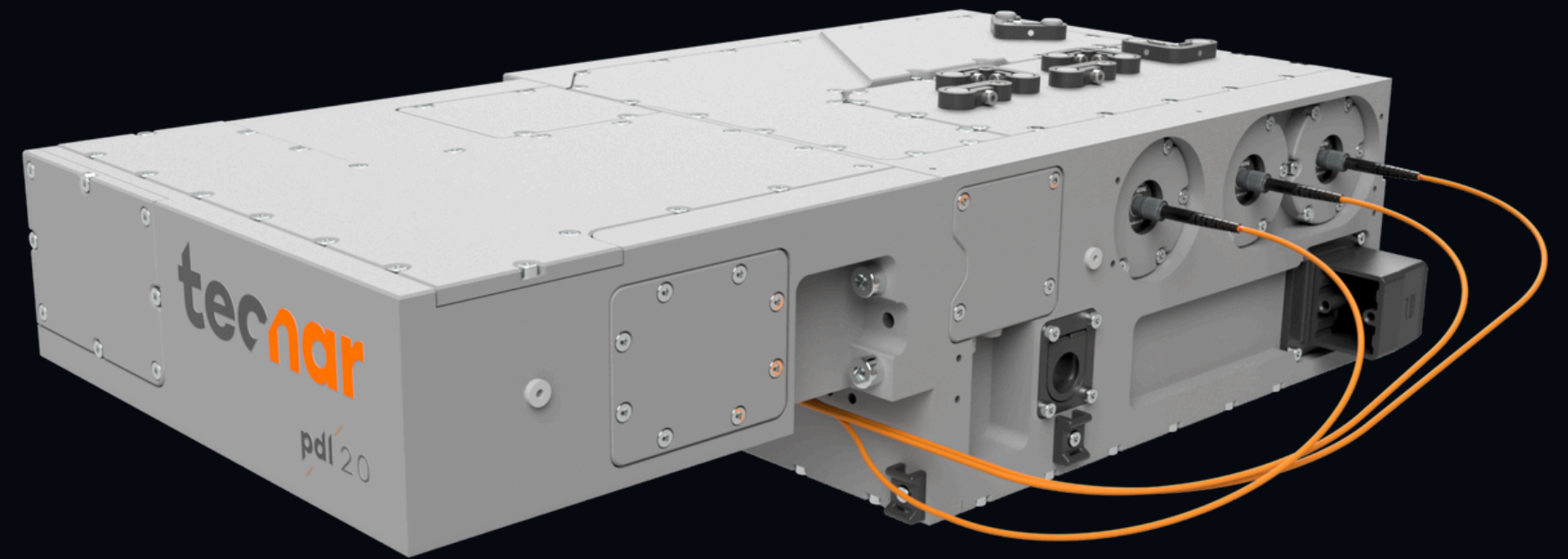
- Complete turn-key system with scanning unit
- Deneration laser
 - 3 W, frequency stabilized
- Generation laser
 - 50 mJ @ 50 Hz
- Receiver (TWM)
 - 40 MHz bandwidth
- Control system
 - Digitizer, post-processing and imaging software





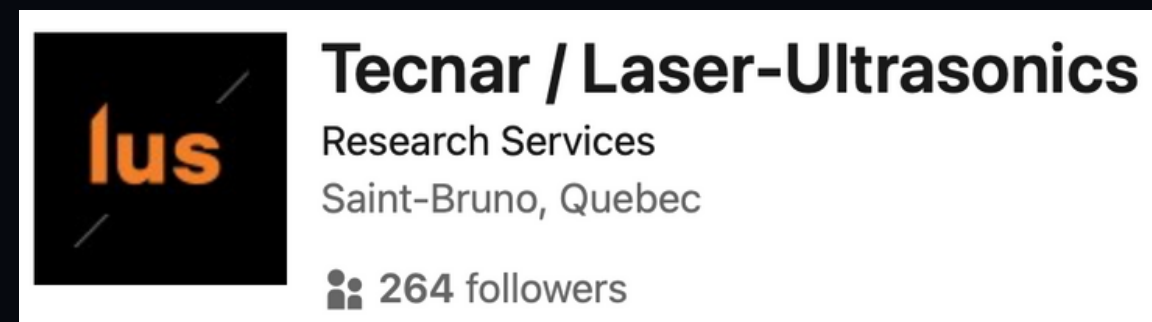
New diode-pump detection laser for industrial application

- Diode-pump MOPA laser specifically designed for laser-ultrasonic
- Specifications:
 - >500 W peak @ 100 Hz
 - Pulse width > 80 ns
- First unit to be delivered for online application in fall 2024



News in laser-ultrasonics

- New records in online wall thickness measurement
 - 95 mm of hot steel in pulse-echo mode
- Reminder - next laser ultrasonic conference in Nanjing, China, October 21st to 25th
 - Website - lu2024.cn
 - Abstract submission deadline May 2024
- Tecnar LinkedIn page
 - Search Tecnar / Laser-Ultrasonics



MORE INFO



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tecnar
laser ultrasonics

