

A TEAM OF EXPERTS AT YOUR DISPOSAL

OUR EB SOLUTIONS MEET ALL YOUR CHALLENGES

ELECTRON BEAM WELDING

1.30 1

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WORKING TOGETHER FOR ILC SMALLEST TOOL EVER - FOR INSIDE CAVITY WELDING



OUR EB SOLUTIONS MEET ALL YOUR CHALLENGES



TECHMETA OUR HISTORY AND OUR STRATEGY



TECHMETA

- Medium Size French company
- World Leader in Electron Beam Welding



INNOVATION STRATEGY

- Collective Intelligence
- Co-Construction





TECHMETA COLLABORATIF PROJECT EXPERIENCE









AEROSPACE ROCKET RESERVOIRS



AEROSPACE BOOSTER WELDING

PHYSICS INSTITUTE CERN CMS SUPERCONDUCTOR INSERTS

FRENCH NAVY SUBMARINE PARTS





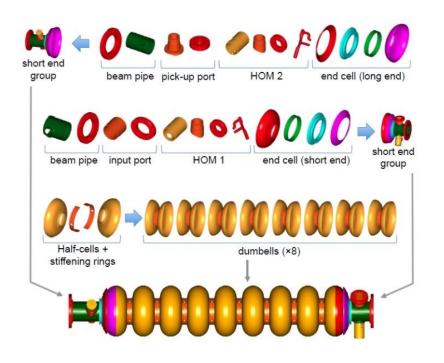
ILC COLLABORATION PROJECT

COLLABORATION PROJECT

- Industry <> Academic co-working
- Great progresses for cavity construction
- Cavity fabrication road map (Xfel)

ILC

- Better cavity characteristics
- Cost reduction





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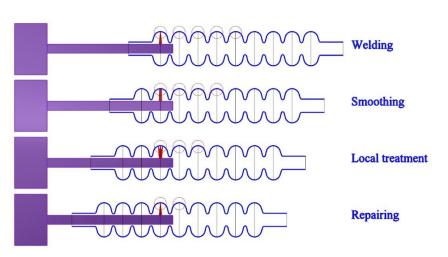
SMALLEST DIAMETER CAVITY WELDING TOOL





STRONG POINTS

- Optimal inside surface quality
- Lower shrinkage
- Reproducable welds
- User friendly set-up



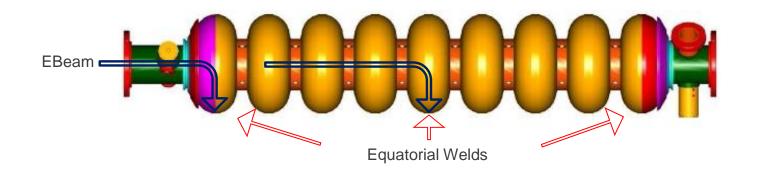
GAINS

- Cost reduction
- Physical Cavity Parameter upgrade





OUR VISION FOR ILC OPTIMAL ILC CAVITY PERFORMANCE & COST REDUCTION



OUR INPUT

- 90° Deflector the Missing Link for Inside
 - Cavity Welding of equatorial weld
- Electron Beam Equipment specialist
- Assistance

YOUR INTEREST

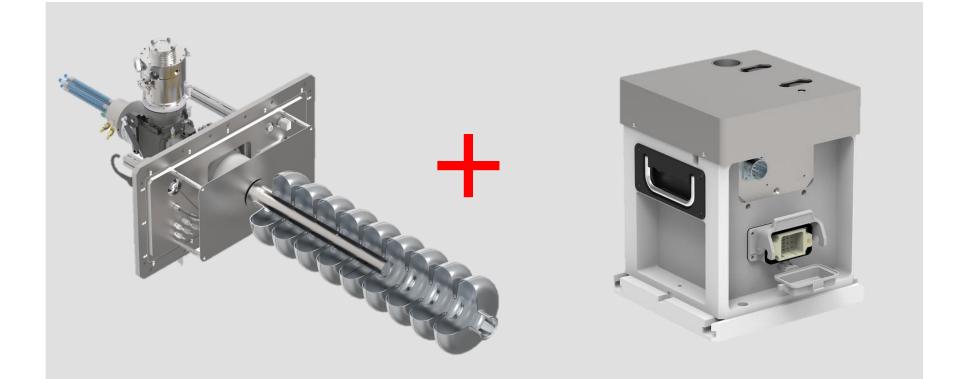
- Collaboration for proof and integration
- New way for improvements
- New way for cost reduction



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MAKING CAVITY WELDING EASIER...

...FOR YOU



TECHMETA « SIMPLICITY IS COMPLEXITY RESOLVED » *c. brancusi*





THANK YOU FOR YOUR ATTENTION

ANY QUESTIONS ?

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ELECTRON BEAM WELDING

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