



Induction Heating and Bending Solutions

- Induction bending machines
- Pre-heating systems
- Heating lines
- Heat treatment



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About us

Inductaflex is a specialist machine manufacturer based in the UK.

Our machines are designed from the experience of operating them on a daily basis.

We seek to have the most efficient machines to operate at an economical price.

ENGINEERING AND DESIGN

All design and engineering is undertaken in the UK.

Manufacturing is located in UK, China and Japan.

We utilise Solidworks 3D and AutoCAD.



Induction Bending Machines

- Most flexible induction pipe bending machines on the market
- Quickest tool set up and cycle time
- Most economic to run with patented technology
- The most affordable induction forming solution when compared to other machines



- Simple to operate with PLC operation
- Designed / manufactured by Craig Barnshaw in the UK



- Materials bent include Carbon Steel pipe, Stainless Steel and its alloys, forged and spun cast pipe, clad pipe



Induction Bending Machine Range

		IF-160	IF-250	IF-350	IF-500	IF-600	IF-800	IF-1000	IF-2000
	Pipe	12" x 40mm	16" x 40mm	24" x 40mm	30" x 40mm	32" x 40mm	36" x 50mm	44" x 50mm	84" x 50mm
	Beam Euro	HE260	HE450	HE600	HE700	HE800	HE1100	HE1100	HE1100
	Beam US	W12	W16	W24	W27	W30	W44	W44	W44
	SHS	250 x 250	350 x 350	400 x 400	500 x 500	600 x 600	650 x 650	800 x 800	800 x 800
	RHS weak axis	250 x 150	300 x 200	450 x 250	500 x 300	600 x 400	600 x 400	750 x 500	750 x 500
	RHS strong axis	250 x 150	300 x 200	450 x 250	500 x 300	600 x 400	600 x 400	750 x 500	750 x 500

PIPE BENDING

From 25mm to 2133mm diameter pipe capacity (1" - 84").

2D to 300 metre radius.



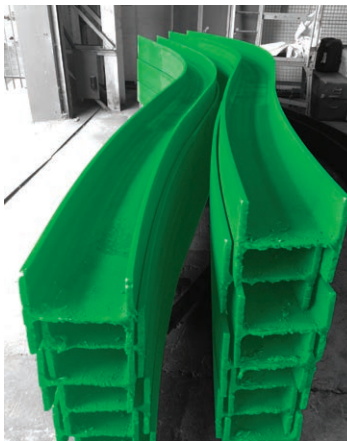
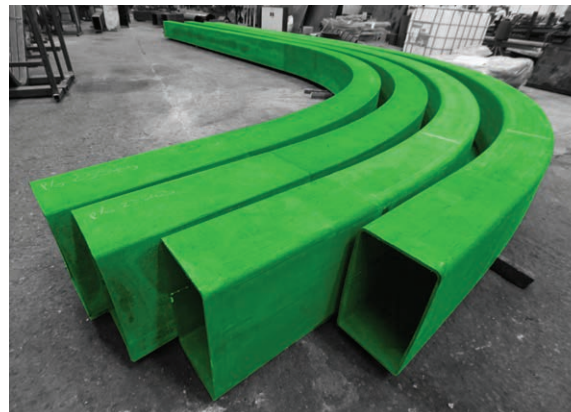
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SQUARE AND RECTANGLES

We have more structural section bending experience than any other induction bending machine manufacturer. If the result matters, Inductaflex should be your 1st choice.

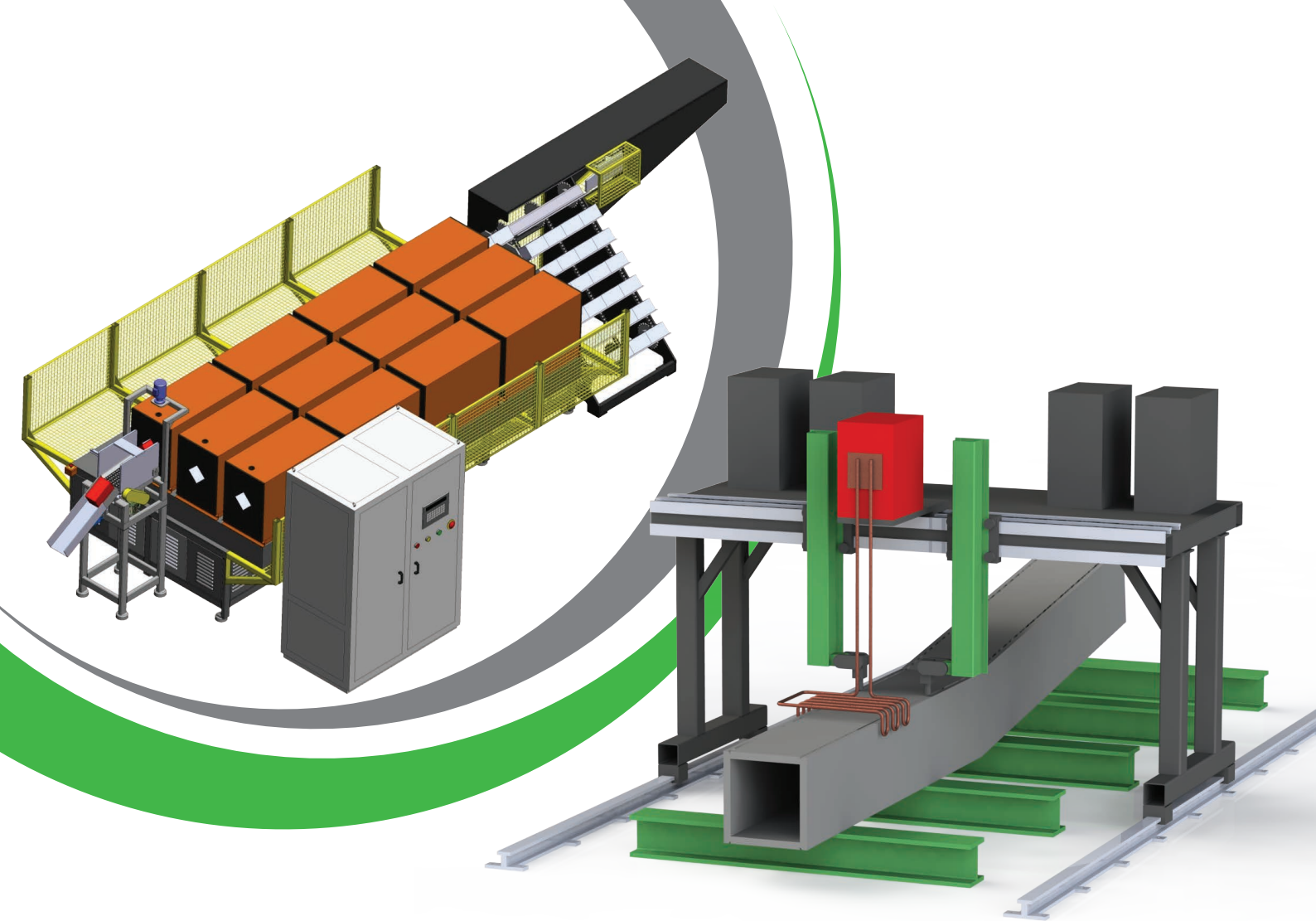


BEAM BENDING CAPACITY

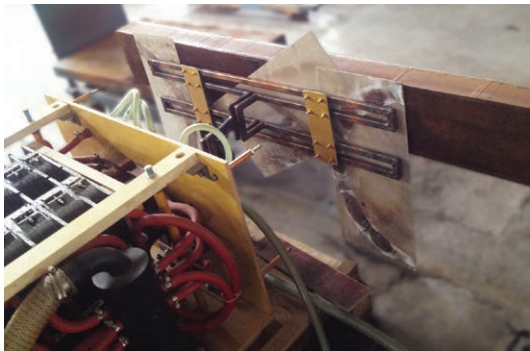
All sizes of beams can be curved.

Torsional clamp ensures a superior quality to other manufacturers.

Maximum beam length 35 metres.



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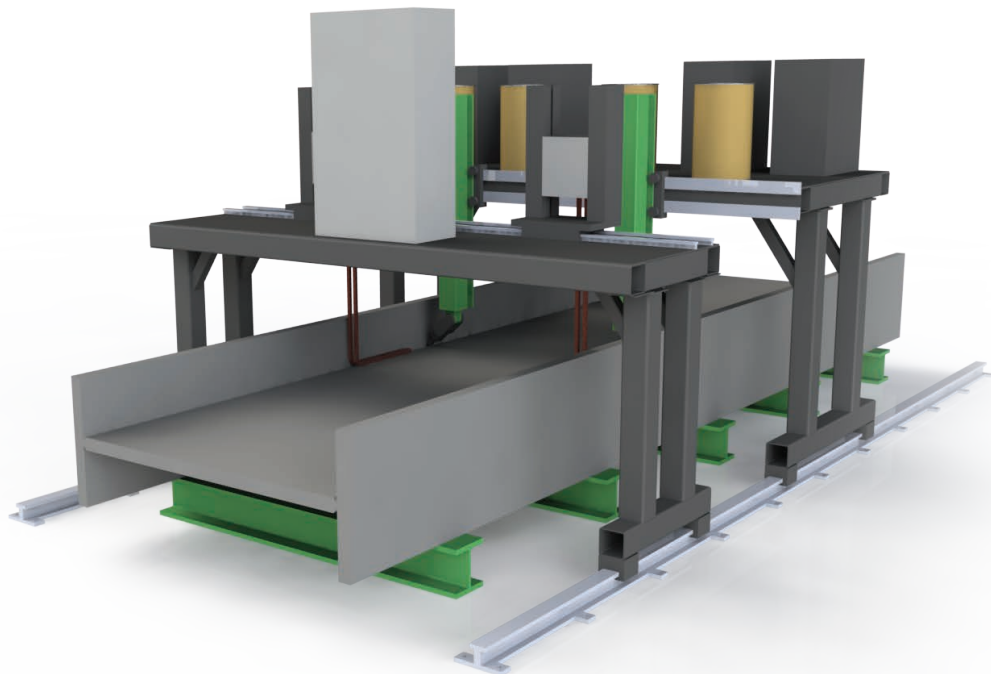


Pre-heating Systems

Pre-heating systems that operate in conjunction with your welding system can be manufactured.

Suitable for bridge manufacturers, plate and box girder fabricators.

Considerable time savings can be made on manual hand and automatic gas heating systems.

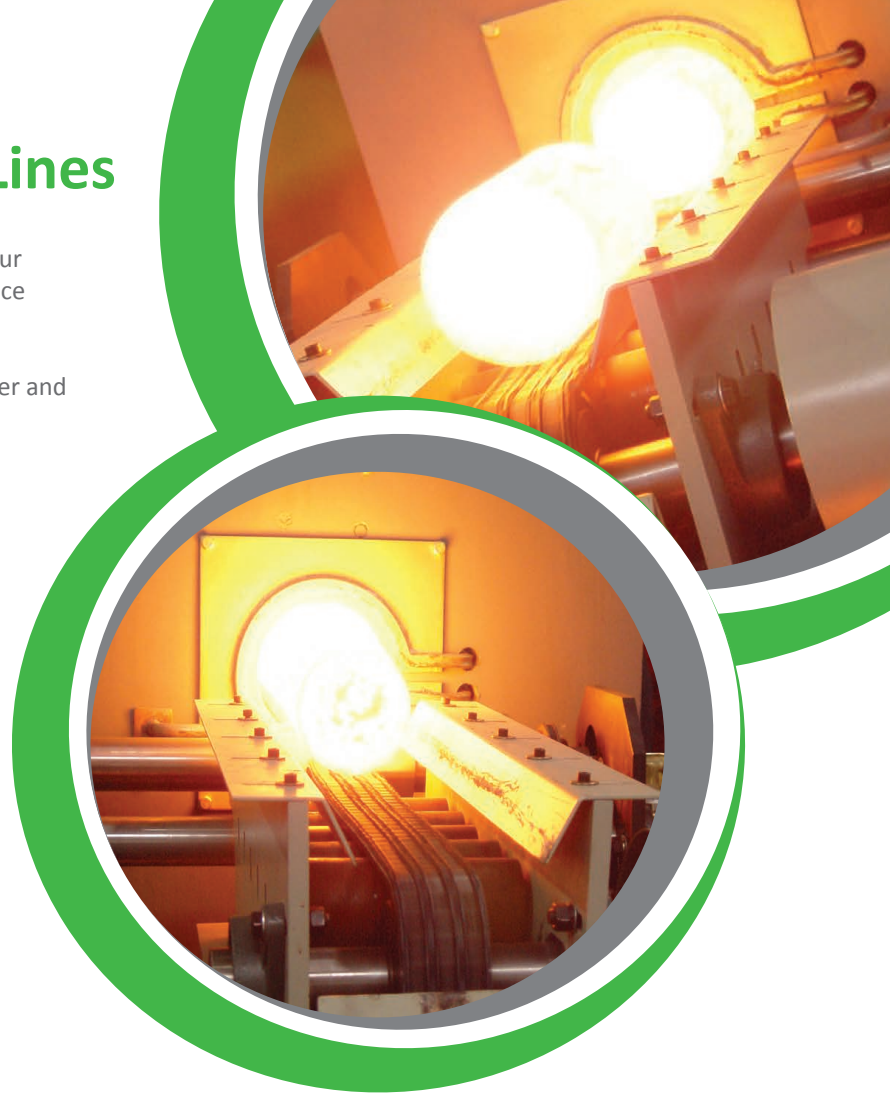


Induction Heating Lines

Heating systems can be installed to improve your existing process. Usually replacing a gas / furnace heating method.

Induction process is often more efficient, quicker and space saving.

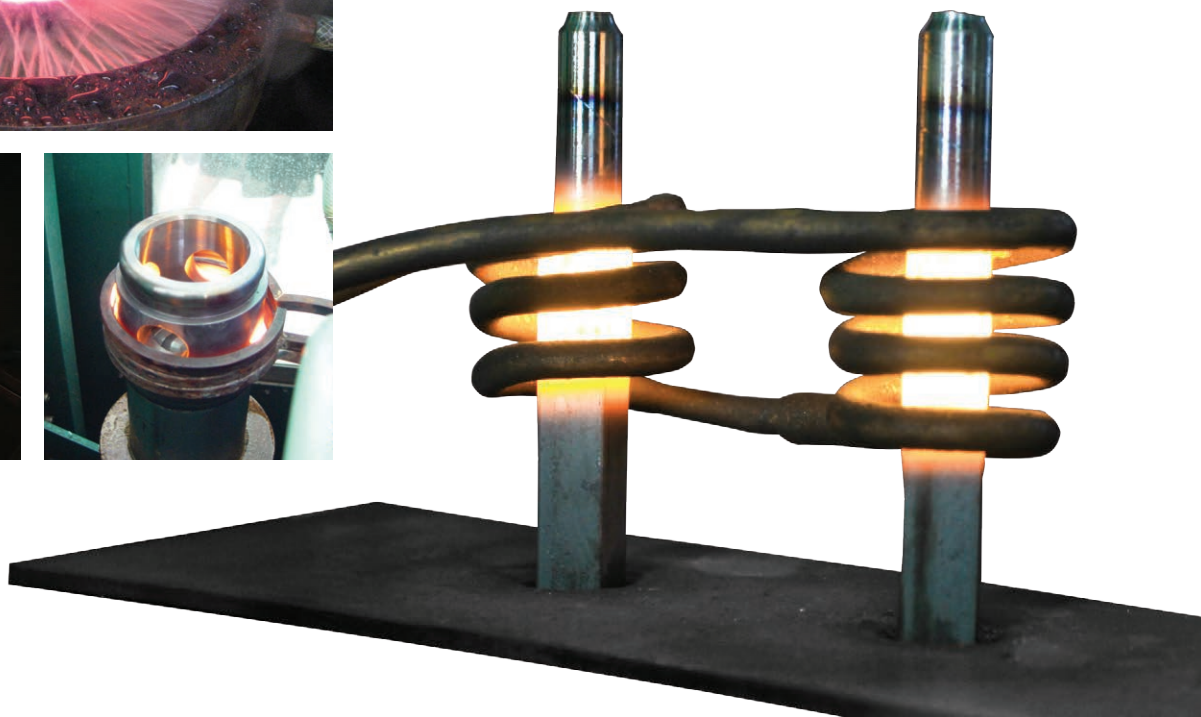
- Billet diameter range from 10mm-200mm
- 50Kw - 1200 Kw lines available
- Maximum production rate up to 3T/Hour
- Uniform heating temperature of billet enhances forge / hardening quality.
- IGBT inversion technology & LC series circuit design achieve energy saving up to 15%-30% compared with SCR technology induction machine
- Suitable for carbon steel, stainless steel aluminium, brass and copper



Heat Treatment

Induction heat treatment systems are efficient and reliable. Both manual and fully automatic heating and quenching systems can be provided.

We supply machines for hardening small parts, up to huge pipe annealing lines.





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& Asia / South America**

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