

Airfoil IBC System



Brampton Engineering

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Quality: Brampton Engineering Inc. continues to meet the ISO 9001:2000 standard which covers design, manufacture, assembly, installation and service of our products.



The patented Airfoil Internal Bubble Cooling System offers film processors the optimum in IBC performance

- provides rate increases of 10-50% when compared to conventional IBC systems
- works in conjunction with conventional UNI-FLO Dual Lip Air Rings
- allows easy access to the die lips and optimizes the airfoil position with pneumatic height adjustment
- maintains bubble stability by providing extra support and permits the introduction of more outside air from the air ring thus increasing overall cooling efficiency.

Method of Operation

When the airfoil IBC system is lowered into operating position the first internal air stream contacts the bubble surface tangentially, just above the die, cooling the melt and providing increased melt strength allowing a second jet of high velocity air to be blown on bubble.

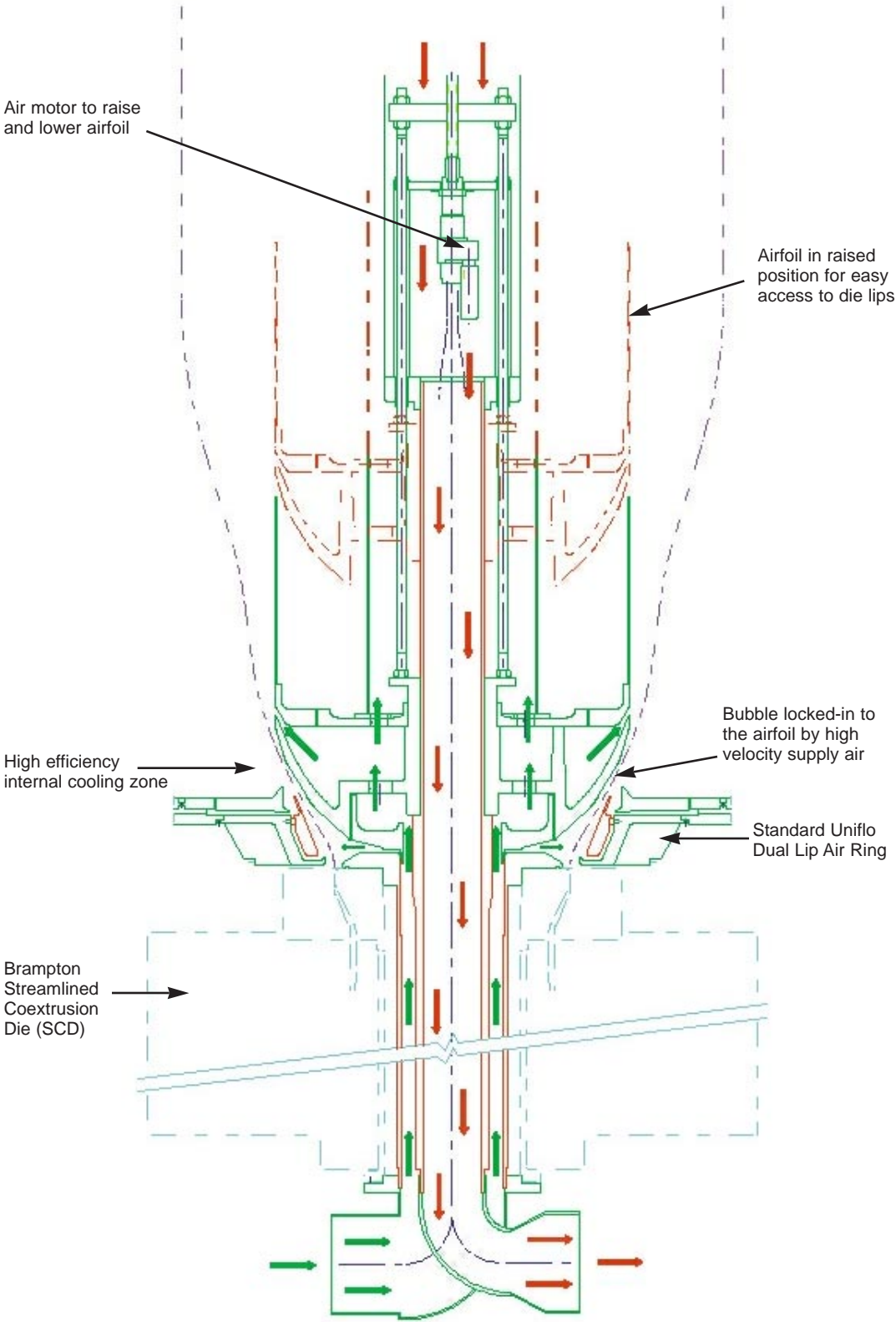
Acts as an internal dual lip air ring.

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Legend:
Orange arrows - exhaust air
Green arrows - supply air