



Case Study

HARDI Australia Pty Ltd



HARDI Australia Pty Ltd
Cavan, Adelaide

HARDI is proudly Australia's largest specialist spraying manufacturer.

For more than 40 years, HARDI has been meeting the needs of the Australian farming and horticultural community with their range of spraying equipment. Designed for Australian conditions, HARDI's sprayers have earned a reputation for their quality, durability and serviceability.

The HARDI range of sprayers is broad. They are large capacity sprayers that provide Australia's largest and most remote land owners with the high work rate requirements demanded by their harsh conditions. The maximum boom span of these large sprayers is currently 36 metres and the maximum tank carrying capacity is 6000 litres.

Small sprayers used on golf courses, for example, sit at the other end of the HARDI range. Their boom span can be as small as six metres and their tank carrying capacity as low as 300 litres.

Whether engineering a large or small sprayer, HARDI faces similar issues.

There is the need to develop a sprayer with the strength and ability to traverse almost any terrain at a speed of up to 20 kilometres per hour.

Fields are not smooth. Golf courses aren't either. Axles need to cope with continual sudden and sharp lateral movements under load. Booms need to be strong, light in weight and be able to cope with the bounce delivered from the terrain.

HARDI's sprayers are engineered, fabricated and assembled at HARDI's Adelaide manufacturing and assembly facilities. They make their way into the Australian marketplace through HARDI's national dealer network.

Adelaide is also where HARDI's dedicated research and development team work on new products and technology to better serve the HARDI customer base.

It was seven years ago that HARDI engineers were introduced to Smorgon Steel Tube Mills (SSTM) and their range of structural steel hollow sections (SSHS).

And for seven years, HARDI have been using Smorgon Steel Tube Mills SSHS primarily in the manufacture of their sprayer's axles and booms.

HARDI has proven that Smorgon Steel Tube Mills products are ideal for application in the Australian marketplace. They deliver reliable and consistent results. They are strong and hard wearing, suited to the harshest environments.

Manufactured by SSTM in Acacia Ridge, Queensland the structural steel hollow sections are delivered just in time to HARDI in Adelaide via Smorgon Steel Metal Distribution's streamlined delivery network.

HARDI engineers use SSTM detailed technical support media, engineering data and design aids to assist in tube selection and application.



Any one of SSTM rectangular hollow section (RHS) or square hollow section (SHS) tubes, ranging from a 2 mm to 12 mm wall thickness, could be used by HARDI.

SSTM larger tubes, 200 mm × 200 mm square, are used as axles and the smaller tubes are used as booms.

By sourcing their supply of tube steel for axles and booms from SSTM, HARDI are not only getting a product made to suit Australian conditions, they are getting a product that is made to exacting Australian Standards.

Quality assurance is a big issue faced by manufacturers Australia wide, whether they manufacture agricultural products or products for other market sectors.

This is another reason why HARDI's have partnered with SSTM, who guarantee that the quality of the structural tubular components used in HARDI's sprayers meet strict Australian standards.

Australia's farming and horticultural industry is changing. Small farms are being sold and amalgamated with larger adjacent farms. Owners of these large land holdings are seeking higher levels of sophistication and technology when it comes to spraying.

GPS systems are now being utilised to guide night spraying and eliminate over spraying and overlapping.

HARDI's engineers are continually adapting their approach to meet their changing market's needs and expectations.

SSTM will continue to work with HARDI as they expand their range to meet customer demands and satisfy their mission 'To promote efficient and responsible plant care to support quality food production and plant growth'.

HARDI engineers will benefit from SSTM 'engineering think tank' approach that sees a team of specialists delivering unique engineering solutions.

When HARDI make a purchase from Smorgon Steel Tube Mills they purchase more than steel tubing. They receive detailed technical support media, engineering data and design aids all delivered with a real focus on solutions. 🌱

SMORGONSTEEL

Tube Mills

Smorgon Steel Tube Mills
A.B.N. 22 010 469 977

Address PO Box 246 Sunnybank,
Queensland 4109 Australia

Telephone +61 7 3909 6600

Facsimile +61 7 3909 6660

Email tubemills@smorgonsteel.com.au

Internet www.smorgonsteel.com.au/tubemills