Powermax1650 Increases Productivity

- Significantly faster cut speeds (as much as 5 times faster depending on thickness)
- Significantly faster pierce time
- Less rework due to better cut quality
- No preheating required

	¼″ (6 mm)	½″ (12 mm)	¾″ (20 mm)	1″ (25 mm)
Oxyfuel	26 ipm	20 ipm	17 ipm	14 ipm
Powermax1650 (100 amp)	135 ipm	57 ipm	26 ipm	18 ipm
% Increase in Speed	**5 times faster**	**2.85 times faster**	**1.5 times faster**	**1.28 times faster**

Speeds are optimum speeds from cut charts.

Increased Productivity Equation for 1/2″

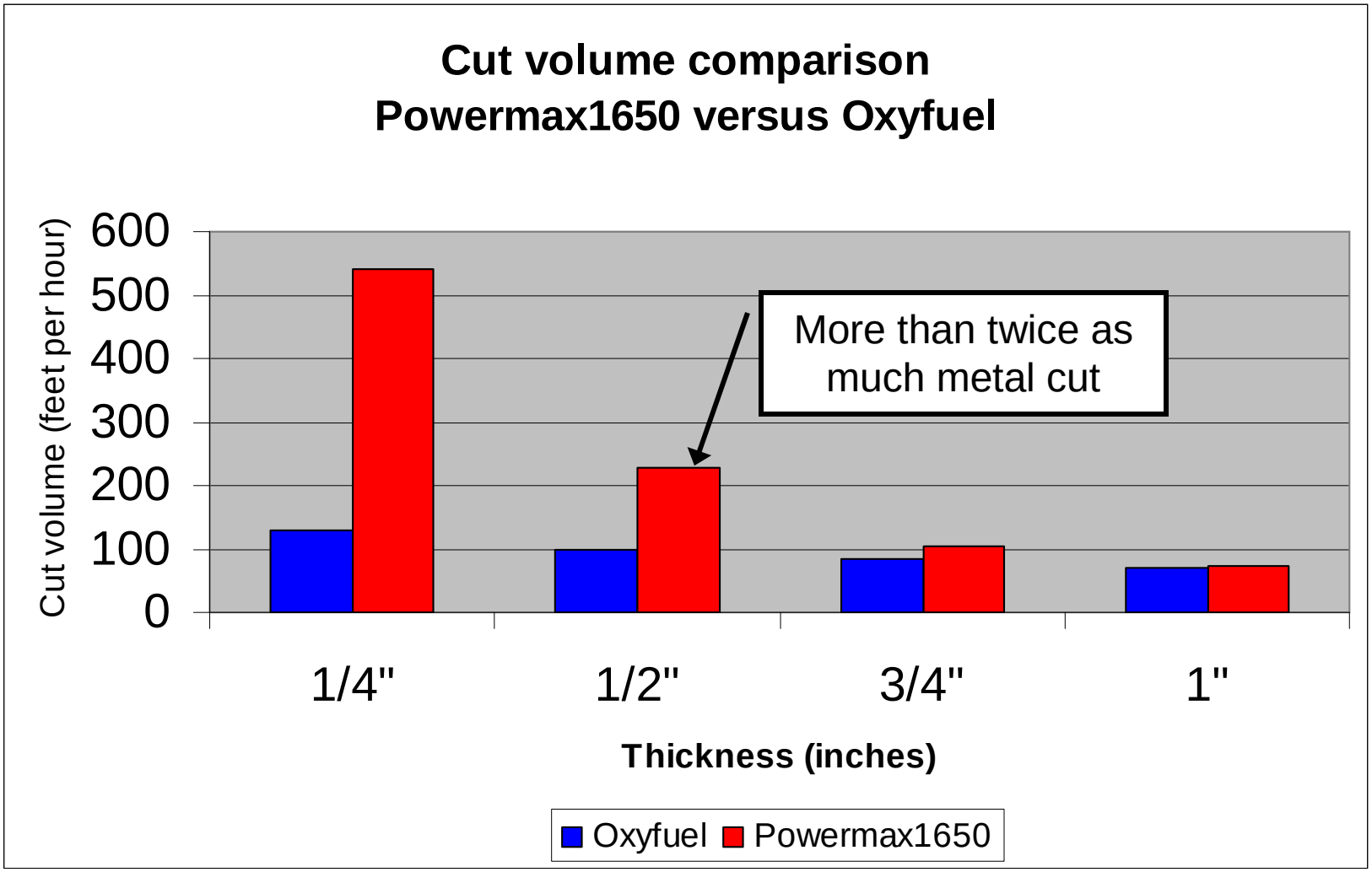
Linear feet cut = **Duration** of time x **Speed** ÷ 12 (to convert inches to feet)

PLASMA	OXYFUEL
Duration = 60 minutes	**Duration** = 60 minutes
Speed = 57 ipm (1/2″)	**Speed** = 20 ipm (1/2″)
(48* X 57) ÷ 12 = 228	**(60 X 20) ÷ 12 = 100**

ASSUMPTIONS:
Duration = assume 60 minutes for this example
Speed = inches per minute, optimum speed per cut charts

**Example chosen using Powermax1650 at 80% duty cycle, which means it can cut 48 minutes out of 60. We are not taking into account pre-heat time for oxyfuel, pierce delay, and secondary operations. All of these factors, if taken into account, would further decrease the amount produced by oxyfuel.*

Increased Productivity



Based on an 80% duty cycle for the Powermax1650.