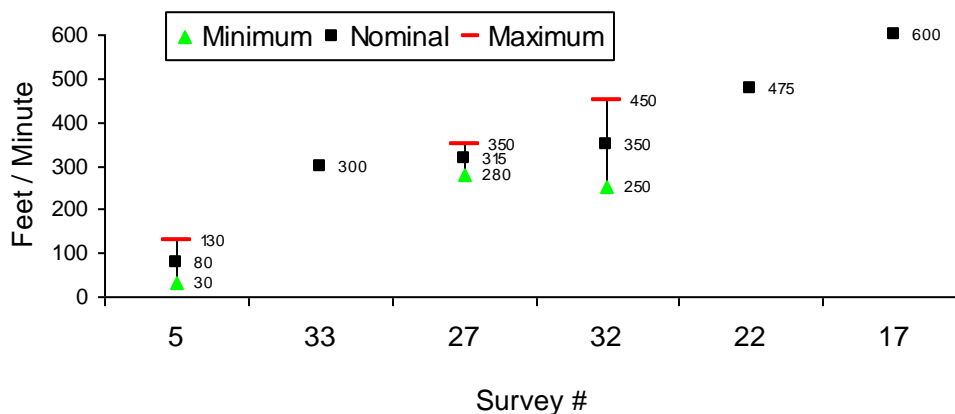


## Other Automotive & Appliance

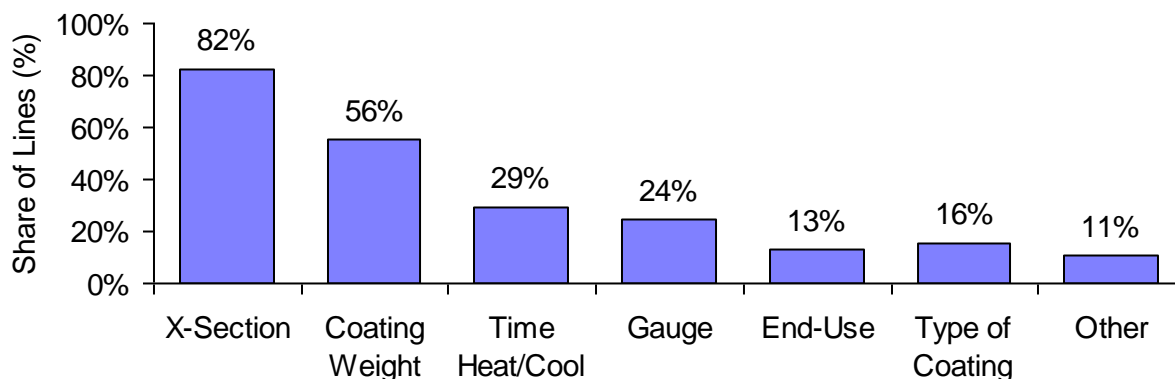
The nominal speeds of the galvanizing lines producing galvanized steels for unexposed automotive and appliances ranges from 60 to 600 feet per minute. A distribution of these line speeds is provided in Figure 23.



**Figure 23 - Line Speeds of Other Automotive & Appliance Segment Lines Surveyed Producing Unexposed Galvanized**

## What Limits Line Speed?

Overall, 82% of the lines surveyed said that the “strip cross-section’ is a factor that limits line speed, followed by 56% identifying “Coating Weight”, and 29% said that it is “the time required for heating and cooling. Three of the EGL lines mentioned that coating weight limits speed. The share of lines surveyed that identified a particular factor that limits line speed is summarized in Figure 32.



**Figure 32- What Limits Line Speed in HDG Lines Surveyed**

There were three X-ray gauges that are 30 years or older and an Isotope gauge that is 50 years old. The X-Ray gauges were said to last 30-40 years or an average of 34 years by five of the lines surveyed. Six lines indicated an expected life of 30-50 years and an average of 37 years. Two lines mentioned that micrometers last 45 years.<sup>1</sup> Table x provides a list of galvanizing lines surveyed that have thickness gauges 10 years or older, the type line, the type of gauge, the age, the expected lifetime, and the expected remaining life.

<sup>1</sup> Where the respondent indicated remaining life and present age, AIM deducted the expected lifetime of the device.

**Table X**  
**Substrate Measuring Devices 15 years or Older**

Survey #	Company-Location	Type	Type of Substrate Gauge Measurement	Age	Lifetime	Remaining Life
1	AK Steel Corporation - Ashland, KY	HDG	Micrometer	40+	DK	DK
4	Arcelor Mittal Dofasco, Inc.	HDG	X-ray gauge	20+		20+
5	National Galvanizing L.P. - Monroe, MI	HDG	Micrometer	25	50	25
6	D. J. Galvanizing Corp. - Windsor, ON	HDG	DMC (x-ray)	17	37	20+
7	Monogram Metals - Byesville, OH	Hot dipped flux line	Micrometer	16	DK	DK
10	Gregory Industries - Canton, OH	HDG	X-ray gauge is used at the slitter	20	DK	DK
11	Nucor Steel - Indiana	HDG	DMC (isotope gauge)	15	DK	DK
14	Double G Coating, Inc. - Jackson, MS	HDG	Micrometer	20	40	20
16	Severstal N.A. - Sparrows Point, MO	HDG	Micrometer	40+		DK
26	Zincacero, S.A. de C.V. (Villacero Group)	HDG	Isotope gauge	15		30
27	US Steel - Portage, IN	HDG	X-ray gauge	15	DK	DK
28	I/N Kote - New Carlisle, IN	HDG	Isotope gauge	20		20
35	Wallbridge Coatings - Wallbridge, OH	EGL	X-ray gauge	20+	DK	DK
36	Precoat Metals - Elkridge, MD	EGL	Gamma x-ray	15+	DK	DK
38	Worthington Steel - Delta	HDG	Isotope gauge	10+	DK	DK
39	Steel Dynamics - Metal Tech	HDG	Valmet - Isotope	20+	DK	DK
41	Sorevco	HDG	Gamma Ray	20		30
45	Severstal Wheeling Martins Ferry	Flux Line	Micrometer	45		as needed
49	Wheeling-Nisshin, Inc. - Follansbee, WV	HDG	Isotope	17	DK	DK