

Operating income in the Transportation Solutions segment decreased \$352 million in fiscal 2019 as compared to fiscal 2018. The Transportation Solutions segment's operating income included the following:

	Fiscal	
	2019	2018
	(in millions)	
Acquisition-related charges:		
Acquisition and integration costs	\$ 17	\$ 8
Charges associated with the amortization of acquisition-related fair value adjustments	—	4
	17	12
Restructuring and other charges, net	144	33
Other items	14	—
Total	\$ 175	\$ 45

Excluding these items, operating income decreased in fiscal 2019 primarily as a result of lower volume, unfavorable product mix, and price erosion, partially offset by lower material costs.

Industrial Solutions

Net Sales. The following table presents the Industrial Solutions segment's net sales and the percentage of total net sales by industry end market⁽¹⁾:

	Fiscal	
	2019	2018
	(\$ in millions)	
Industrial equipment	\$ 1,949 49 %	\$ 1,987 52 %
Aerospace, defense, oil, and gas	1,306 33	1,157 30
Energy	699 18	712 18
Total	\$ 3,954 100 %	\$ 3,856 100 %

(1) Industry end market information is presented consistently with our internal management reporting and may be revised periodically as management deems necessary.

The following table provides an analysis of the change in the Industrial Solutions segment's net sales by industry end market:

	Change in Net Sales for Fiscal 2019 versus Fiscal 2018					
	Net Sales		Organic Net		Translation	Acquisition
	Growth		Sales Growth			
	(\$ in millions)					
Industrial equipment	\$ (38)	(1.9)%	\$ (66)	(3.4)%	\$ (45)	\$ 73
Aerospace, defense, oil, and gas	149	12.9	165	14.1	(16)	—
Energy	(13)	(1.8)	21	2.7	(34)	—
Total	\$ 98	2.5 %	\$ 120	3.1 %	\$ (95)	\$ 73

In the Industrial Solutions segment, net sales increased \$98 million, or 2.5%, in fiscal 2019 from fiscal 2018 due to organic net sales growth of 3.1% and sales contributions from an acquisition of 1.9%, partially offset by the negative impact of foreign currency translation of 2.5%. Our organic net sales by industry end market were as follows:

- **Industrial equipment**—Our organic net sales decreased 3.4% in fiscal 2019 primarily as a result of market weakness in industrial applications, particularly in the Asia-Pacific and EMEA regions, partially offset by strength in medical applications.