
**UNITED STATES
SECURITIES AND EXCHANGE COMMISSION**
Washington, D.C. 20549

FORM 6-K

**REPORT OF FOREIGN PRIVATE ISSUER
PURSUANT TO RULE 13a-16 OR 15d-16
UNDER THE SECURITIES EXCHANGE ACT OF 1934**

For the month of November 2016

Commission File Number: 001-36515

Materialise NV

Technologielaan 15
3001 Leuven
Belgium
(Address of principal executive office)

Indicate by check mark whether the registrant files or will file annual reports under cover of Form 20-F or Form 40-F.

Form 20-F Form 40-F

Indicate by check mark if the registrant is submitting the Form 6-K in paper as permitted by Regulation S-T Rule 101(b)(1):

Indicate by check mark if the registrant is submitting the Form 6-K in paper as permitted by Regulation S-T Rule 101(b)(7):

This Form 6-K is incorporated by reference into the registrant's Registration Statement on Form F-3 (File No. 333-213649).

Third Quarter 2016 Financial Results

Except as otherwise required by the context, references to “Materialise,” “Company,” “we,” “us” and “our” are to Materialise NV and its subsidiaries.

Third Quarter 2016 Results

Total revenue for the third quarter of 2016 increased by 11.0% to 28,736 kEUR compared to 25,883 kEUR for the third quarter of 2015, with gains in all three of our segments, particularly Materialise Software.

Revenue from our Materialise Software segment, which offers a proprietary software backbone that enables and enhances the functionality of 3D printers and 3D printing operations worldwide, increased by 21.1% to 7,632 kEUR for the third quarter of 2016 from 6,303 kEUR for the same quarter last year, driven by the growth of OEM sales and recurring license revenue.

Revenue from our Materialise Medical segment, which offers a unique platform consisting of medical planning and design software, clinical engineering services and patient specific devices, increased by 4.5% to 9,537 kEUR for the third quarter of 2016 compared to 9,123 kEUR for the same period in 2015. The increase was driven by direct sales of our complex surgery solutions, which increased by 28.0% from the same period in 2015. Sales from our collaborated medical device business, and our medical software sales decreased by 2.2% and 1.9%, respectively, compared to the same quarter in 2015.

Revenue from our Materialise Manufacturing segment, which offers an integrated suite of 3D printing and engineering services to industrial and commercial customers, increased 10.6% to 11,567 kEUR for the third quarter of 2016 from 10,457 kEUR for the third quarter of 2015, as a result of increased end part manufacturing.

Gross profit was 16,937 kEUR, or 58.9% of total revenue, for the third quarter of 2016 compared to 14,702 kEUR, or 56.8% of total revenue, for the third quarter of 2015. The increase was primarily a result of the improvement in the gross margin of Materialise Manufacturing.

Research and development (“R&D”), sales and marketing (“S&M”) and general and administrative (“G&A”) expenses increased, in the aggregate, by 4.6% to 17,974 kEUR for the third quarter of 2016 from 17,179 kEUR for the third quarter of 2015. R&D expenses decreased slightly from 4,566 kEUR to 4,389 kEUR while S&M expenses declined slightly from 8,657 kEUR to 8,299 kEUR. G&A expenses increased from 3,956 kEUR to 5,286 kEUR. As in the first two quarters of 2016, these changes compared to last year primarily reflected the managerial structure and support we have implemented within our S&M and R&D groups to support their significant growth since our initial public offering (“IPO”). A number of employees with mixed roles within these groups have evolved into more managerial/administrative roles, and their cost as well as certain other expenses are now categorized into G&A.

Net other operating income decreased by 274 kEUR to 1,369 kEUR, compared to 1,643 kEUR for the third quarter of 2015. Net other operating income consists primarily of withholding tax exemptions for qualifying researchers, development grants, partial funding of R&D projects and currency exchange results on purchase and sales transactions.

Net financial result was (124) kEUR, compared to 151 kEUR for the prior-year period, reflecting smaller variances in the currency exchange rates, primarily on the portion of the company’s IPO proceeds held in U.S. dollars versus the euro.

Net loss for the third quarter of 2016 was (52) kEUR, compared to a net loss of (1,104) kEUR for the same period in the prior year. The improvement of 1,052 kEUR reflected an increase of 1,166 kEUR in operating profit, a decrease of 275 kEUR in the financial result, and an improvement of 105 kEUR in income tax income. Total comprehensive loss for the third quarter of 2016, which reflects exchange differences on translation of foreign operations, was (511) kEUR compared to (1,821) kEUR for the same period in the prior year.

Adjusted EBITDA (a non-IFRS financial measure defined below) increased from 1,175 kEUR to 2,833 kEUR, as a result of the combination of continued revenue growth, an improvement in our gross margins and a modest increase in operational expenses. The Adjusted EBITDA margin (Adjusted EBITDA divided by total revenue) in the third quarter was 9.9% compared to 4.5% in the third quarter of last year.

Our Materialise Software segment's EBITDA rose to 2,814 kEUR from 2,157 kEUR while the segment EBITDA margin (the segment's EBITDA divided by the segment's revenue) was 36.9% compared to 34.2% in the prior-year period.

Our Materialise Medical segment's EBITDA was approximately flat at 754 kEUR compared 763 kEUR while the segment EBITDA margin decreased to 7.9% from 8.4% in the third quarter of 2015.

Our Materialise Manufacturing segment's EBITDA rose to 1,723 kEUR from 799 kEUR, including 460 kEUR related to the updated accounting valuation of resin materials stock as result of steady efficiency improvements. The segment EBITDA margin increased to 14.9% from 7.6% for the 2015 quarter. Excluding our growth businesses i.materialise and RapidFit, the segment EBITDA margin for the third quarter was 21.8% compared to 17.1% for the same quarter of the prior year.

At September 30, 2016, we had cash and equivalents of 50,490 kEUR compared to 50,726 kEUR at December 31, 2015. Cash flow from operating activities in the third quarter of 2016 was (1,466) kEUR, compared to 268 kEUR in the same period last year.

Net shareholders' equity at September 30, 2016 was 78,098 kEUR, compared to 82,955 kEUR at December 31, 2015.

Non-IFRS Measures

Materialise uses EBITDA and Adjusted EBITDA as supplemental financial measures of its financial performance. EBITDA is calculated as net profit plus income taxes, financial expenses (less financial income), shares of loss in a joint venture and depreciation and amortization. Adjusted EBITDA is determined by adding non-cash stock-based compensation expenses to EBITDA. Management believes these non-IFRS measures to be important measures as they exclude the effects of items which primarily reflect the impact of long-term investment and financing decisions, rather than the performance of the Company's day-to-day operations. As compared to net profit, these measures are limited in that they do not reflect the periodic costs of certain capitalized tangible and intangible assets used in generating revenues in the Company's business, or the charges associated with impairments. Management evaluates such items through other financial measures such as capital expenditures and cash flow provided by operating activities. The Company believes that these measurements are useful to measure a company's ability to grow or as a valuation measurement. The Company's calculation of EBITDA and Adjusted EBITDA may not be comparable to similarly titled measures reported by other companies. EBITDA and Adjusted EBITDA should not be considered as alternatives to net profit or any other performance measure derived in accordance with IFRS. The Company's presentation of EBITDA and Adjusted EBITDA should not be construed to imply that its future results will be unaffected by unusual or non-recurring items.

Exchange Rate

This press release contains translations of certain euro amounts into U.S. dollars at specified rates solely for the convenience of readers. Unless otherwise noted, all translations from euros to U.S. dollars in this press release were made at a rate of EUR 1.00 to USD 1.1161, the 12:00 noon ET buying rate of the Federal Reserve Bank of New York for the euro on September 30, 2016.

About Materialise

Materialise incorporates more than 25 years of 3D printing experience into a range of software solutions and 3D printing services, which Materialise seeks to form the backbone of the 3D printing industry. Materialise's open and flexible solutions enable players in a wide variety of industries, including healthcare, automotive, aerospace, art and design, and consumer goods, to build innovative 3D printing applications that aim to make the world a better and healthier place. Headquartered in Belgium, with branches worldwide, Materialise combines one of the largest groups of software developers in the industry with one of the largest 3D printing facilities in the world. For additional information, please visit: www.materialise.com.

Consolidated income statements (Unaudited)

(in thousands, except EPS)	For the three months ended			For the nine month	
	30 September			period ended	
	2016	2016	2015	2016	2015
	U.S.\$	euros	euros	euros	euros
Revenue	32,072	28,736	25,883	83,000	74,003
Cost of sales	(13,169)	(11,799)	(11,181)	(33,848)	(31,507)
Gross profit	18,903	16,937	14,702	49,152	42,496
		58.9%	56.8%	59.2%	57.4%
Research and development expenses	(4,899)	(4,389)	(4,566)	(13,521)	(13,444)
Sales and marketing expenses	(9,263)	(8,299)	(8,657)	(26,647)	(27,492)
General and administrative expenses	(5,900)	(5,286)	(3,956)	(15,225)	(11,278)
Other operating income	1,528	1,369	1,643	4,433	4,897
Other operating expenses	—	—	—	—	—
Operating profit	369	332	(834)	(1,808)	(4,821)
Financial expenses	(203)	(182)	(373)	(1,688)	(2,108)
Financial income	65	58	524	1,037	2,793
Share in loss of joint venture	(77)	(69)	(125)	(368)	(248)
Profit (loss) before taxes	154	139	(808)	(2,827)	(4,384)
Income taxes	(213)	(191)	(296)	(812)	(621)
Net profit (loss)	(59)	(52)	(1,104)	(3,639)	(5,005)
Net profit (loss) attributable to:					
The owners of the parent	(59)	(52)	(1,104)	(3,639)	(4,952)
Non-controlling interest	—	—	—	—	(53)
Earnings per share attributable to ordinary owners of the parent					
Basic	(0.00)	(0.00)	(0.02)	(0.08)	(0.10)
Diluted	(0.00)	(0.00)	(0.02)	(0.08)	(0.10)
Weighted average basic	47,325	47,325	47,227	47,325	47,208
Weighted average with effect dilution	47,325	47,325	47,227	47,325	47,208

Consolidated statements of comprehensive income (Unaudited)

(in thousands, except EPS)

	For the three months ended			For the nine month	
	30 September			period ended	
	2016	2016	2015	2016	2015
	U.S.\$	euros	euros	euros	euros
Net profit (loss) for the period	<u>(59)</u>	<u>(52)</u>	<u>(1,104)</u>	<u>(3,639)</u>	<u>(5,005)</u>
Other comprehensive income (loss)					
Exchange differences on translation of foreign operations	(512)	(459)	(717)	(1,898)	759
Other comprehensive income (loss), net of taxes	<u>(512)</u>	<u>(459)</u>	<u>(717)</u>	<u>(1,898)</u>	<u>759</u>
Total comprehensive income (loss) for the period, net of taxes	<u>(571)</u>	<u>(511)</u>	<u>(1,821)</u>	<u>(5,537)</u>	<u>(4,246)</u>
Total comprehensive income (loss) attributable to:					
The owners of the parent	(571)	(511)	(1,821)	(5,537)	(4,193)
Non-controlling interest	—	—	—	—	(53)

Consolidated statements of financial position (Unaudited)

(in thousand euros)	<u>30 September</u>	<u>31 December</u>
	<u>2016</u>	<u>2015</u>
Assets		
Non-current assets		
Goodwill	8,850	9,664
Intangible assets	8,482	9,657
Property, plant & equipment	42,124	38,400
Investments in joint ventures	650	1,018
Deferred tax assets	417	1,092
Other financial assets	411	356
Total non-current assets	60,934	60,187
Current assets		
Inventory	6,215	5,387
Trade receivables	23,143	22,843
Held to maturity investments	—	—
Other current assets	6,744	4,993
Cash and cash equivalents	50,490	50,726
Total current assets	86,592	83,949
Total assets	147,526	144,136
Equity and liabilities		
Equity		
Share capital	2,729	2,729
Share premium	78,770	78,098
Consolidated reserves	(2,224)	1,407
Treasury shares	—	—
Other comprehensive income	(1,177)	721
Equity attributable to the owners of the parent	78,098	82,955
Non-controlling interest	—	—
Total equity	78,098	82,955
Non-current liabilities		
Loans & borrowings	20,682	16,607
Deferred tax liabilities	1,284	2,068
Deferred income	—	92
Other non-current liabilities	2,374	2,244
Total non-current liabilities	24,340	21,011
Current liabilities		
Loans & borrowings	5,734	4,482
Trade payables	9,944	9,712
Tax payables	489	255
Deferred income	17,963	16,509
Other current liabilities	10,958	9,212
Total current liabilities	45,088	40,170
Total equity and liabilities	147,526	144,136

Consolidated cash flow statements (Unaudited)

(in thousand euros)

	For the nine month period ended 30 September	
	2016 euros	2015 euros
Operating activities		
Net profit for the period	-3,639	-5,005
Non-cash and operational adjustments		
Depreciation of property, plant & equipment	4,669	3,816
Amortization of intangible assets	1,425	1,061
Share-based payment expense	718	652
Loss (gain) on disposal of property, plant & equipment	-147	1
Fair value adjustment contingent liabilities	54	—
Movement in provisions and allowance for bad debt	-2	162
Financial income	-126	-2,523
Financial expense	668	1,733
Impact of foreign currencies	55	55
Share of loss of an associate or joint venture (equity method)	368	248
Deferred tax expense (income)	225	46
Income taxes	587	575
Other	7	—
Working capital adjustments		
Increase in trade receivables and other receivables	-2,394	-1,644
Decrease (Increase) in inventories	-828	-973
Increase in trade payables and other payables	3,203	3,955
	4,843	2,159
Income tax paid	-528	-530
Net cash flow from operating activities	4,315	1,629
Investing activities		
Purchase of property, plant & equipment	-6,816	-5,918
Purchase of intangible assets	-871	-1,019
Proceeds from the sale of property, plant & equipment, net	192	13
Acquisition of subsidiary	—	-1,602
Investments in joint-ventures	—	-500
Proceeds from held to maturity investments	—	10,000
Interest received	7	8
Net cash flow used in investing activities	-7,488	982
Financing activities		
Proceeds from loans & borrowings and convertible debt	7,004	324
Repayment of loans & borrowings	-2,116	-3,889
Repayment of finance leases	-1,293	-1,108
Purchase of non-controlling interest	—	-1,377
Capital increase in parent company	—	580
Interest paid	-406	-399
Other financial income / (expense)	-7	-34
Net cash flow from financing activities	3,182	-5,903
Net increase of cash and cash equivalents	9	-3,292
Cash and cash equivalents at beginning of period	50,726	51,019
Exchange rate differences on cash & cash equivalents	-245	1,007
Cash & cash equivalents at end of period	50,490	48,734

Reconciliation of Net Profit/(Loss) to EBITDA and Adjusted EBITDA (Unaudited)

(in thousands)	For the three months ended	
	30 September	
	2016	2015
	euros	euros
Net profit / (loss)	(52)	(1,104)
Income taxes	191	296
Financial expenses	181	373
Financial income	(58)	(524)
Share in loss of a joint venture	69	125
Depreciation & amortization	2,144	1,829
EBITDA	2,475	995
Non-cash stock-based compensation expenses (1)	358	180
Adjusted EBITDA	2,833	1,175

(1) Non-cash stock-based compensation expenses represent the cost of equity-settled and cash-settled share-based payments to employees.

Segment P&L (Unaudited)

In thousands euros	Materialise Software	Materialise Medical	Materialise Manufacturing	Total segments	Adjustments & eliminations	Consolidated
For the three month period ended 30 September 2016						
Revenues	7,632	9,537	11,567	28,736	—	28,736
Segment EBITDA	<u>2,814</u>	<u>754</u>	<u>1,723</u>	<u>5,291</u>	<u>(2,816)</u>	<u>2,475</u>
Segment EBITDA %	36.9%	7.9%	14.9%	18.4%		8.6%
For the three month period ended 30 September 2015						
Revenues	6,303	9,123	10,457	25,883	—	25,883
Segment EBITDA	<u>2,157</u>	<u>763</u>	<u>799</u>	<u>3,719</u>	<u>(2,724)</u>	<u>995</u>
Segment EBITDA %	34.2%	8.4%	7.6%	14.4%		3.8%
For the nine month period ended 30 September 2016						
Revenues	22,044	27,849	33,080	82,973	27	83,000
Segment EBITDA	<u>7,181</u>	<u>238</u>	<u>2,410</u>	<u>9,829</u>	<u>(5,543)</u>	<u>4,286</u>
Segment EBITDA %	32.6%	0.9%	7.3%	11.8%		5.2%
For the nine month period ended 30 September 2015						
Revenues	18,497	25,286	30,220	74,003	—	74,003
Segment EBITDA	<u>6,387</u>	<u>(325)</u>	<u>612</u>	<u>6,674</u>	<u>(6,618)</u>	<u>56</u>
Segment EBITDA %	34.5%	-1.3%	2.0%	9.0%		0.1%

Reconciliation of Net Profit/(Loss) to Segment EBITDA (Unaudited)

(in thousands of euros)	For the three months ended September 30		For the nine months ended September 30	
	2016	2015	2016	2015
Net profit/(loss)	(52)	(1,104)	(3,639)	(5,005)
Income taxes	191	296	812	621
Finance costs	182	373	1,688	2,108
Finance income	(58)	(524)	(1,037)	(2,793)
Share in loss of a joint venture	69	125	368	248
Operating profit	332	(834)	(1,808)	(4,821)
Depreciation & amortization	2,144	1,829	6,094	4,877
Corporate research and development	242	564	1,201	2,171
Corporate headquarters costs	3,326	3,198	6,865	7,673
Other operating income (expense)	(753)	(1,038)	(2,523)	(3,226)
Segment EBITDA	5,291	3,719	9,829	6,674

SIGNATURE

Pursuant to the requirements of the Securities Exchange Act of 1934, the registrant has duly caused this report to be signed on its behalf by the undersigned, thereunto duly authorized.

MATERIALISE NV

By: /s/ Wilfried Vancraen

Name: Wilfried Vancraen

Title: Chief Executive Officer

Date: November 17, 2016