



12. TYPE OF REPORTING PERSON\*

BK

CUSIP NO. 144285103 13G PAGE 2B OF 5 PAGES

1. NAME OF REPORTING PERSON  
S.S. OR I.R.S. IDENTIFICATION NO. OF PERSON  
STATE STREET BANK AND TRUST COMPANY, TRUSTEE 04-1867445  
CARPENTER TECHNOLOGY CORPORATION EMPLOYEE STOCK OWNERSHIP PLAN

2. CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP.\*

NOT APPLICABLE A \_\_\_  
B \_\_\_

3. SEC USE ONLY

4. CITIZENSHIP OR PLACE OF ORGANIZATION

BOSTON, MASSACHUSETTS

5. SOLE VOTING POWER

0 SHARES

6. SHARED VOTING POWER

460,727.347 SHARES (REPRESENTS 460.727347 CONV PFD SHS CONVERTED  
TO COM [RATIO 1 PFD = 1000 COM])

7. SOLE DISPOSITIVE POWER

0 SHARES

8. SHARED DISPOSITIVE POWER

460,727.347 SHARES (REPRESENTS 460.727347 CONV PFD SHS CONVERTED  
TO COM [RATIO 1 PFD = 1000 COM])

9. AGGREGATED AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON

460,727.347 SHARES (REPRESENTS 460.727347 CONV PFD SHS CONVERTED  
TO COM [RATIO 1 PFD = 1000 COM])

10. CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN  
SHARES\*

NOT APPLICABLE

11. PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW 9

5.4%

12. TYPE OF REPORTING PERSON\*

BK

CUSIP NO. 144285103 13G PAGE 2C OF 5 PAGES

1. NAME OF REPORTING PERSON  
S.S. OR I.R.S. IDENTIFICATION NO. OF PERSON  
STATE STREET BANK AND TRUST COMPANY, TRUSTEE 04-1867445  
VARIOUS COLLECTIVE INVESTMENT FUNDS FOR EMPLOYEE BENEFIT PLANS  
AND OTHER INDEX ACCOUNTS CARPENTER TECHNOLOGY

2. CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP.\*

NOT APPLICABLE A \_\_\_  
B \_\_\_

3. SEC USE ONLY

4. CITIZENSHIP OR PLACE OF ORGANIZATION

BOSTON, MASSACHUSETTS

5. SOLE VOTING POWER

171,700 SHARES

6. SHARED VOTING POWER

0 SHARES

7. SOLE DISPOSITIVE POWER

210,900 SHARES

8. SHARED DISPOSITIVE POWER

0 SHARES

9. AGGREGATED AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON

210,900 SHARES

10. CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES\*

NOT APPLICABLE

11. PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW 9  
2.5%

12. TYPE OF REPORTING PERSON\*

BK

CUSIP NO. 144285103                      13G                      PAGE 2D OF 5 PAGES

1. NAME OF REPORTING PERSON  
S.S. OR I.R.S. IDENTIFICATION NO. OF PERSON  
STATE STREET BANK AND TRUST COMPANY, TRUSTEE/CO-TRUSTEE 04-1867445  
VARIOUS PERSONAL TRUST ACCOUNTS                      CARPENTER TECHNOLOGY

2. CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP.\*

NOT APPLICABLE

A \_\_\_  
B \_\_\_

3. SEC USE ONLY

4. CITIZENSHIP OR PLACE OF ORGANIZATION

BOSTON, MASSACHUSETTS

5. SOLE VOTING POWER

5,400 SHARES

6. SHARED VOTING POWER

0 SHARES

7. SOLE DISPOSITIVE POWER

5,400 SHARES

8. SHARED DISPOSITIVE POWER

0 SHARES

9. AGGREGATED AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON

5,400 SHARES

10. CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES\*

NOT APPLICABLE

11. PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW 9  
.1%

12. TYPE OF REPORTING PERSON\*

BK

SCHEDULE 13G                      PAGE 3 OF 5 PAGES

ITEM 1.

- (A) NAME OF ISSUER  
CARPENTER TECHNOLOGY CORPORATION
- (B) ADDRESS OF ISSUER'S PRINCIPAL EXECUTIVE OFFICES  
101 WEST BERN STREET  
READING  
PENNSYLVANIA 19603

ITEM 2.

- (A) NAME OF PERSON FILING  
STATE STREET BANK AND TRUST COMPANY, TRUSTEE
- (B) ADDRESS OF PRINCIPAL BUSINESS OFFICE OR, IF NONE,  
RESIDENCE  
  
225 FRANKLIN STREET, BOSTON, MA 02110
- (C) CITIZENSHIP

BOSTON, MASSACHUSETTS

2(D) TITLE OF CLASS OF SECURITIES  
COMMON STOCK  
(E) CUSIP NUMBER  
144285103

ITEM 3. IF THIS STATEMENT IS FILED PURSUANT TO RULE 13D-1(B), OR  
13D-2(B), CHECK WHETHER THE PERSON FILING IS A:

(B)  BANK AS DEFINED IN SECTION 3(A)(6) OF THE ACT

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ITEM 4. OWNERSHIP

(A) AMOUNT BENEFICIALLY OWNED  
1,036,529.347 SHARES  
(B) PERCENT OF CLASS  
12.3%  
(C) NUMBER OF SHARES AS TO WHICH SUCH PERSON HAS:  
(I) SOLE POWER TO VOTE OR TO DIRECT THE VOTE  
177,100 SHARES  
(II) SHARED POWER TO VOTE OR TO DIRECT THE VOTE  
820,229.347 SHARES  
(III) SOLE POWER TO DISPOSE OR TO DIRECT THE DISPOSITION OF  
216,300 SHARES  
(IV) SHARED POWER TO DISPOSE OR TO DIRECT THE DISPOSITION OF  
820,229.347 SHARES

ITEM 5. OWNERSHIP OF FIVE PERCENT OR LESS OF A CLASS

NOT APPLICABLE

ITEM 6. OWNERSHIP OF MORE THAN FIVE PERCENT ON BEHALF OF ANOTHER  
PERSON.

NOT APPLICABLE

ITEM 7. IDENTIFICATION AND CLASSIFICATION OF THE SUBSIDIARY WHICH  
ACQUIRED THE SECURITY BEING REPORTED ON BY THE PARENT  
HOLDING COMPANY

NOT APPLICABLE

ITEM 8. IDENTIFICATION AND CLASSIFICATION OF MEMBERS OF THE GROUP

NOT APPLICABLE

ITEM 9. NOTICE OF DISSOLUTION OF GROUP

NOT APPLICABLE

ITEM 10. CERTIFICATION

THE FOLLOWING CERTIFICATION SHALL BE INCLUDED IF THE  
STATEMENT IS FILED PURSUANT TO RULE 13D-1(B):

BY SIGNING BELOW I CERTIFY THAT, TO THE BEST OF MY  
KNOWLEDGE AND BELIEF, THE SECURITIES REFERRED TO ABOVE WERE  
ACQUIRED IN THE ORDINARY COURSE OF BUSINESS AND WERE NOT ACQUIRED  
FOR THE PURPOSE OF AND DO NOT HAVE THE EFFECT OF CHANGING OR  
INFLUENCING THE CONTROL OF THE ISSUER OF SUCH SECURITIES AND WERE  
NOT ACQUIRED IN CONNECTION WITH OR AS A PARTICIPANT IN ANY  
TRANSACTION HAVING SUCH PURPOSES OR EFFECT.

THIS REPORT IS NOT AN ADMISSION THAT STATE STREET BANK AND  
TRUST COMPANY IS THE BENEFICIAL OWNER OF ANY SECURITIES COVERED BY  
THIS REPORT, AND STATE STREET BANK AND TRUST COMPANY EXPRESSLY  
DISCLAIMS BENEFICIAL OWNERSHIP OF ALL SHARES REPORTED HEREIN  
PURSUANT TO RULE 13D-4.

SIGNATURE

AFTER REASONABLE INQUIRY AND TO THE BEST OF MY KNOWLEDGE AND BELIEF, I CERTIFY THAT THE INFORMATION SET FORTH IN THIS STATEMENT IS TRUE, COMPLETE AND CORRECT.

10 FEBRUARY 1994

STATE STREET BOSTON CORPORATION  
STATE STREET BANK AND TRUST COMPANY,  
TRUSTEE

/s/JANET DENNEEN  
ASSISTANT SECRETARY