APPLIED INDUSTRIAL TECHNOLOGIES INC

Commission file number 1-2299

Form 11-K March 26, 2002

	SECURITIES AND EXCHANGE COMMISSION
	WASHINGTON, D.C. 20549
	FORM 11-K
	FOR ANNUAL REPORTS OF EMPLOYEE
	STOCK PURCHASE, SAVINGS AND SIMILAR
	PLANS PURSUANT TO SECTION 15(d)
	OF THE SECURITIES EXCHANGE ACT OF 1934
[X]	ANNUAL REPORT PURSUANT TO SECTION 15(d) OF THE SECURITIES
	EXCHANGE ACT OF 1934
	For the fiscal year ended December 31, 2001.
гі	TRANSITION REPORT PURSUANT TO SECTION 15(d) OF THE SECURITIES
LJ	EXCHANGE ACT OF 1934
	For the transition period from to

Full title of the plan and the address of the plan, if different from that of the issuer named below:

> Applied Industrial Technologies, Inc. Supplemental Defined Contribution Plan

Name of issuer of the securities held pursuant to the plan and the address of its principal executive office:

> Applied Industrial Technologies, Inc. One Applied Plaza Cleveland, Ohio 44115-5056

Financial Statements and Exhibit(s)

(a) Financial Statements _____ Independent Auditors' Report 5 Statements of Net Assets Available for Benefits --December 31, 2001 and 2000 Statement of Changes in Net Assets 7 Available for Benefits --Years Ended December 31, 2001, 2000 and 1999 8 - 11 Notes to Financial Statements --Years Ended December 31, 2001, 2000 and 1999 (b) Exhibit(s) Independent Auditors' Consent 12 SIGNATURES Pursuant to the requirements of the Securities Exchange Act of 1934, the Plan has duly caused this annual report to be signed on its behalf by the undersigned, hereunto duly authorized. APPLIED INDUSTRIAL TECHNOLOGIES, INC. SUPPLEMENTAL DEFINED CONTRIBUTION PLAN By: Applied Industrial Technologies, Inc., as Plan Administrator By: /s/ Mark O. Eisele Signature Mark O. Eisele _____ Printed Name Vice President

Title

Date: March 25, 2002

APPLIED INDUSTRIAL TECHNOLOGIES, INC. SUPPLEMENTAL DEFINED CONTRIBUTION PLAN

Financial Statements
As of December 31, 2001 and 2000 and
For the Years Ended
December 31, 2001, 2000 and 1999,
And Independent Auditors' Report

APPLIED INDUSTRIAL TECHNOLOGIES, INC. SUPPLEMENTAL DEFINED CONTRIBUTION PLAN

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INDEPENDENT AUDITORS' REPORT

Applied Industrial Technologies, Inc. Supplemental Defined Contribution Plan

We have audited the accompanying statements of net assets available for benefits of the Applied Industrial Technologies, Inc. Supplemental Defined Contribution Plan (the "Plan") as of December 31, 2001 and 2000, and the related statements of changes in net assets available for benefits for the years ended December 31, 2001, 2000 and 1999. These financial statements are the responsibility of the Plan's management. Our responsibility is to express an opinion on these financial statements based on our audits.

We conducted our audits in accordance with auditing standards generally accepted in the United States of America. Those standards require that we plan and perform the audit to obtain reasonable assurance about whether the financial statements are free of material misstatement. An audit includes examining, on a test basis, evidence supporting the amounts and disclosures in the financial statements. An audit also includes assessing the accounting principles used and significant estimates made by management, as well as evaluating the overall financial statement presentation. We believe that our audits provide a reasonable basis for our opinion.

In our opinion, such financial statements present fairly, in all material respects, the net assets available for benefits of the Plan as of December 31, 2001 and 2000, and the changes in net assets available for benefits for the years ended December 31, 2001, 2000 and 1999 in conformity with accounting principles generally accepted in the United States of America.

/s/ Deloitte & Touche LLP

March 6, 2002

APPLIED INDUSTRIAL TECHNOLOGIES, INC. SUPPLEMENTAL DEFINED CONTRIBUTION PLAN

STATEMENTS OF NET ASSETS AVAILABLE FOR BENEFITS DECEMBER 31, 2001 and 2000 $\,$

	2001	2000
ASSETS:		
Investments at fair value:		
Applied Industrial Technologies, Inc.		
common stock	\$ 267,258	\$ 2,929,054
Mutual funds	4,369,204	2,274,991
Common/collective fixed income funds	430,343	198,933
Total investments	5,066,805	5,402,978
NET ASSETS AVAILABLE FOR BENEFITS	\$5,066,805	\$5,402,978

See notes to financial statements.

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APPLIED INDUSTRIAL TECHNOLOGIES, INC. SUPPLEMENTAL DEFINED CONTRIBUTION PLAN

STATEMENTS OF CHANGES IN NET ASSETS AVAILABLE FOR BENEFITS YEARS ENDED DECEMBER 31, 2001, 2000 AND 1999

	2001	2000
ADDITIONS: Participant Contributions	\$ 507,201	\$ 2,613,549
<pre>Investment income: Dividends:</pre>		
Common stock Mutual funds	12,244 124,024	26,970 130,955

Common/collective fixed income funds	10	12
Total dividends	136,278	157,937
<pre>Net (depreciation)/appreciation in market value of investments:</pre>		
Common stock	· · ·	515 , 504
Mutual funds		(380 , 589)
Common/collective fixed income funds	(3,123)	7 , 947
Total net (depreciation)/appreciation in market value of investments	(618,470)	142,862
Total investment (loss)/income	(482,192)	300,799
Total additions	25 , 009	2,914,348
DEDUCTIONS:		
Distributions to participants	346,271	91,800
Administrative expenses	14,911	11,778
Total deductions	361,182	103,578
(DECREASE)/INCREASE IN NET ASSETS FOR THE YEAR	(336,173)	2,810,770
NET ASSETS AVAILABLE FOR BENEFITS, BEGINNING OF YEAR	5,402,978	2,592,208
NET ASSETS AVAILABLE FOR BENEFITS, END OF YEAR		\$ 5,402,978

See notes to financial statements.

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APPLIED INDUSTRIAL TECHNOLOGIES, INC. SUPPLEMENTAL DEFINED CONTRIBUTION PLAN

NOTES TO FINANCIAL STATEMENTS
YEARS ENDED DECEMBER 31, 2001, 2000 AND 1999

1. DESCRIPTION OF THE PLAN

The following description of the Applied Industrial Technologies, Inc. Supplemental Defined Contribution Plan (the "Plan") is provided for general information purposes only. Participants and users of the financial statements should refer to the Plan document for more complete information.

GENERAL - The Plan was established by Applied Industrial Technologies, Inc. and its subsidiaries (the "Company") effective January 1, 1996, for the benefit of a select group of management or highly compensated employees. This is a non-qualified Plan and is subject to the claims of creditors in the case of bankruptcy of Applied Industrial Technologies, Inc.

ADMINISTRATION - The Plan is administered by the Company. The Company's powers and duties relate to making participant and employer contributions to the Trust, establishing investment objectives, authorizing disbursements from the Trust, and resolving any questions of Plan interpretation.

The assets of the Plan are maintained and administered by Key Trust Co. of Ohio, N.A. acting as Trustee. The Trustee is responsible for the custody of assets.

PARTICIPANT ACCOUNTS - Each participant's account is credited with that participant's contribution and allocations of (a) the Company's contribution and, (b) Plan earnings, and charged with an allocation of administrative expenses. Allocations are based on participant earnings or account balances, as defined. The benefit to which a participant is entitled is the benefit that can be provided from the participant's vested account.

PARTICIPATION AND CONTRIBUTIONS - Participation in the Plan is limited to select management or highly compensated employees of the Company and whose contributions under the Applied Industrial Technologies, Inc. Retirement Savings Plan (the "Retirement Savings Plan") are limited.

Eligible participants elect to make contributions to the Plan. There are no limits to the amount they can contribute. Participants may elect to transfer excess contributions from the Retirement Savings Plan. The company makes Supplemental Matching Contributions equal to the amount that matching contributions under the Retirement Savings Plan are limited each year due to the requirements of the provisions of Sections 401(k) and 401(m) of the Internal Revenue Code. Effective October 2000, the Plan was amended to allow transfers from the Applied Industrial Technologies, Inc. Deferred Compensation Plan upon retirement. Subsequently in 2001, this provision to allow transfers from the Applied Industrial Technologies, Inc. Deferred Compensation Plan was revoked.

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Supplemental Matching Contributions are segregated in the Matching Contributions Account and are invested in the Company Stock Fund. Non-participant directed investments included in the Company Stock Fund were \$ 30,131 and \$ 36,722 at December 31, 2001 and 2000, respectively. During the years ended December 31, 2001, 2000 and 1999, there were no Supplemental Matching Contributions made to the plan.

Contributions are excluded from participants' taxable income until such amounts are received by them as a distribution from the Plan.

INVESTMENT OF CONTRIBUTIONS - Participants elect investment of their

contributions in 1% increments in the Plan's Company Stock Fund, American Fundamental Investors Fund, EuroPacific Growth Fund, Bond Fund of America, Financial Reserves Fund, Victory Stock Index Fund, Growth Fund Portfolio, Alliance Growth and Income Fund, T Rowe Price Mid-Cap Growth Fund, Vanguard Asset Allocation Fund, Franklin Small-Cap Growth Fund, Royce Total Return Fund, Mfs Mid-Cap Growth Fund or the Lord Abbett Mid-Cap Value Fund. Participants may change their investment elections as to future contributions and may also elect to reallocate a portion or all of their account balances among the investment funds in increments of 1% of the total amount to be reallocated. All such elections are filed with the Trustee and become effective daily.

The value of the funds and the interest of individual participants under each fund are calculated daily (daily valuation).

VESTING AND DISTRIBUTIONS - Each participant is immediately and fully vested in all participant contributions and earnings thereon. Participants vest in Supplemental Matching Contributions at a rate of 25% for each year of eligible service, becoming completely vested after four years, or at death, termination of employment due to permanent and total disability, or normal or early retirement as defined in the Plan.

Upon termination of service, participants may receive lump sum distributions of their vested account balances no later than 60 days after the end of the Plan year in which they terminate employment with the Company. Distributions upon retirement may be received as a lump sum or as installments in accordance with the participant's election. Participants may also apply for hardship withdrawals from their Supplemental Salary Savings Contributions, subject to adherence to Internal Revenue Service regulations and approval by the Company.

Forfeitures of nonvested amounts are applied to reduce future Supplemental Matching Contributions. There were no forfeitures in 2001, 2000 or 1999.

PLAN TERMINATION - The Plan was adopted with the expectation that it will continue indefinitely. The Company may, however, terminate the Plan at any time and may amend the Plan from time to time. In the event of termination of the Plan, all participants will immediately become fully vested in the value of all Supplemental Matching Employer Contributions made on their behalf.

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2. SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES

USE OF ESTIMATES - The preparation of the financial statements in conformity with accounting principles generally accepted in the United States of America requires management to make estimates and assumptions that affect the reported amounts of assets and liabilities and changes therein, and disclosure of contingent assets and liabilities. Actual results could differ from those estimates.

VALUATION OF INVESTMENTS - Investments are accounted for at cost on the trade-date and are reported in the statement of net assets available for benefits at fair value. The investment in Applied Industrial Technologies, Inc. common stock is valued using the year-end closing price listed by the New York Stock Exchange. Investment funds are stated at fair values using year-end closing price for each of the funds or quoted market prices.

BENEFITS PAYABLE - Distributions to participants are recorded by the Plan when payments are made.

ADMINISTRATIVE EXPENSES - Administrative expenses of the Plan are paid by the Plan or the Company, as determined by the Company.

INVESTMENTS

The Plan provides that, in accordance with the investment objectives established by the Company, the Trustee of the Plan shall hold, invest, reinvest, manage and administer all assets of the Plan as a trust fund for the exclusive benefit of participants and their beneficiaries.

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Plan investments exceeding 5% of net assets available for benefits as of December 31, 2001 and 2000, respectively, were as follows:

Description of Investment	2001	2000
Applied Industrial Technologies, Inc. Common Stock	\$ 267,258	\$ 2,929,054
Fundamental Investors Fund	574,538	312,762
Franklin Small-Cap Growth Fund	570,113	481,827
Growth Fund Portfolio	593,042	648,039
Financial Reserves	430,343	-
EuroPacific Growth Fund	732 , 796	159,825
Victory Stock Index Fund	-	150,184
Bond Fund of America	1,126,711	-
T Rowe Price Mid-Cap Growth	466,707	-

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INDEPENDENT AUDITORS' CONSENT

We consent to the incorporation by reference in Registration Statement No. 033-65509 of Applied Industrial Technologies, Inc. on Form S-8 of our report dated March 6, 2002, appearing in this Annual Report on Form 11-K of the Applied Industrial Technologies, Inc. Supplemental Defined Contribution Plan for the year ended December 31, 2001.

/s/ Deloitte & Touche LLP

Cleveland, Ohio March 25, 2002