

UNITED STATES
SECURITIES AND EXCHANGE COMMISSION
WASHINGTON, DC 20549

SCHEDULE 13D
THE SECURITIES EXCHANGE ACT OF 1934
(Amendment No.)*

Amtech Systems, Inc.
(Name of Issuer)

Common Stock, \$0.01 par value
(Title of Class of Securities)

032332504
(CUSIP Number)

Kevin A. McGovern, Esq.
c/o Harbert Discovery Fund, LP
2100 Third Avenue North
Suite 600
Birmingham, AL 35203
Telephone Number 205-987-5500
(Name, Address and Telephone Number of Person Authorized to Receive
Notices and Communications)

December 2, 2019
(Date of Event Which Requires Filing of this Statement)

If the filing person has previously filed a statement on Schedule 13G to report the acquisition that is the subject of this Schedule 13D, and is filing this schedule because of ss.240.13d-1(e), 240.13d-1(f) or 240.13d-1(g), check the following box .

* The remainder of this cover page shall be filled out for a reporting person's initial filing on this form with respect to the subject class of securities, and for any subsequent amendment containing information which would alter disclosures provided in a prior cover page.

032332504

CUSIP No. _____

1. NAME OF REPORTING PERSONS
I.R.S. IDENTIFICATION NOS. OF ABOVE PERSONS (ENTITIES ONLY)

Harbert Discovery Fund, LP

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

(a)
(b)

3. SEC USE ONLY

4. SOURCE OF FUNDS

WC

5. CHECK BOX IF DISCLOSURE OF LEGAL PROCEEDINGS IS REQUIRED PURSUANT TO ITEMS 2(d) OR 2(e)

6. CITIZENSHIP OR PLACE OF ORGANIZATION

Delaware

NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON

7. SOLE VOTING POWER

0

8. SHARED VOTING POWER

735,916

9. SOLE DISPOSITIVE POWER

0

10. SHARED DISPOSITIVE POWER

735,916

11. AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON

735,916

12. CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (11) EXCLUDES CERTAIN SHARES

13. PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (11)

5.2%

14. TYPE OF REPORTING PERSON

PN

032332504

CUSIP No.

1. NAME OF REPORTING PERSONS
I.R.S. IDENTIFICATION NOS. OF ABOVE PERSONS (ENTITIES ONLY)

Harbert Discovery Fund GP, LLC

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

(a)
(b)

3. SEC USE ONLY

4. SOURCE OF FUNDS

AF

5. CHECK BOX IF DISCLOSURE OF LEGAL PROCEEDINGS IS REQUIRED PURSUANT TO ITEMS 2(d) OR 2(e)

6. CITIZENSHIP OR PLACE OF ORGANIZATION

Delaware

NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON

7. SOLE VOTING POWER

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8. SHARED VOTING POWER

735,916

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5.2%

14. TYPE OF REPORTING PERSON

OO

032332504

CUSIP No. _____

1. NAME OF REPORTING PERSONS
I.R.S. IDENTIFICATION NOS. OF ABOVE PERSONS (ENTITIES ONLY)

Harbert Fund Advisors, Inc.

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

(a)
(b)

3. SEC USE ONLY

4. SOURCE OF FUNDS

AF

5. CHECK BOX IF DISCLOSURE OF LEGAL PROCEEDINGS IS REQUIRED PURSUANT TO ITEMS 2(d) OR 2(e)

6. CITIZENSHIP OR PLACE OF ORGANIZATION

Alabama

NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON

7. SOLE VOTING POWER

0

8. SHARED VOTING POWER

735,916

9. SOLE DISPOSITIVE POWER

0

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5.2%

14. TYPE OF REPORTING PERSON

IA, CO

032332504

CUSIP No. _____

1. NAME OF REPORTING PERSONS
I.R.S. IDENTIFICATION NOS. OF ABOVE PERSONS (ENTITIES ONLY)

Harbert Management Corporation

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

(a)
(b)

3. SEC USE ONLY

4. SOURCE OF FUNDS

AF

5. CHECK BOX IF DISCLOSURE OF LEGAL PROCEEDINGS IS REQUIRED PURSUANT TO ITEMS 2(d) OR 2(e)

6. CITIZENSHIP OR PLACE OF ORGANIZATION

Alabama

NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON

7. SOLE VOTING POWER

0

8. SHARED VOTING POWER

735,916

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5.2%

14. TYPE OF REPORTING PERSON

CO

032332504

CUSIP No. _____

1. NAME OF REPORTING PERSONS
I.R.S. IDENTIFICATION NOS. OF ABOVE PERSONS (ENTITIES ONLY)

Jack Bryant

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

(a)
(b)

3. SEC USE ONLY

4. SOURCE OF FUNDS

AF

5. CHECK BOX IF DISCLOSURE OF LEGAL PROCEEDINGS IS REQUIRED PURSUANT TO ITEMS 2(d) OR 2(e)

6. CITIZENSHIP OR PLACE OF ORGANIZATION

United States of America

NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON

7. SOLE VOTING POWER

0

8. SHARED VOTING POWER

735,916

9. SOLE DISPOSITIVE POWER

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10. SHARED DISPOSITIVE POWER

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5.2%

14. TYPE OF REPORTING PERSON

IN

032332504

CUSIP No. _____

1. NAME OF REPORTING PERSONS
I.R.S. IDENTIFICATION NOS. OF ABOVE PERSONS (ENTITIES ONLY)

Kenan Lucas

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

(a)
(b)

3. SEC USE ONLY

4. SOURCE OF FUNDS

AF

5. CHECK BOX IF DISCLOSURE OF LEGAL PROCEEDINGS IS REQUIRED PURSUANT TO ITEMS 2(d) OR 2(e)

6. CITIZENSHIP OR PLACE OF ORGANIZATION

United States of America

NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON

7. SOLE VOTING POWER

0

8. SHARED VOTING POWER

735,916

9. SOLE DISPOSITIVE POWER

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10. SHARED DISPOSITIVE POWER

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13. PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (11)

5.2%

14. TYPE OF REPORTING PERSON

IN

032332504

CUSIP No. _____

1. NAME OF REPORTING PERSONS
I.R.S. IDENTIFICATION NOS. OF ABOVE PERSONS (ENTITIES ONLY)

Raymond Harbert

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

(a)
(b)

3. SEC USE ONLY

4. SOURCE OF FUNDS

AF

5. CHECK BOX IF DISCLOSURE OF LEGAL PROCEEDINGS IS REQUIRED PURSUANT TO ITEMS 2(d) OR 2(e)

6. CITIZENSHIP OR PLACE OF ORGANIZATION

United States of America

NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON

7. SOLE VOTING POWER

0

8. SHARED VOTING POWER

735,916

9. SOLE DISPOSITIVE POWER

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10. SHARED DISPOSITIVE POWER

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13. PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (11)

5.2%

14. TYPE OF REPORTING PERSON

IN

CUSIP No. 032332504

Item 1. Security and Issuer.

The name of the issuer is Amtech Systems, Inc., an Arizona corporation (the "Issuer"). The address of the Issuer's principal executive offices is 131 South Clark Drive, Tempe, Arizona, United States of America. This Schedule 13D relates to the Issuer's common stock, \$0.01 par value (the "Shares").

Item 2. Identity and Background.

- (a), (f) This Schedule 13D is being filed jointly by (i) Harbert Discovery Fund, LP, a Delaware limited partnership (the "Fund"), (ii) Harbert Discovery Fund GP, LLC, a Delaware limited liability company (the "Fund GP"), (iii) Harbert Fund Advisors, Inc., an Alabama corporation ("HFA"), (iv) Harbert Management Corporation, an Alabama corporation ("HMC"), (v) Jack Bryant, a United States citizen, (vi) Kenan Lucas, a United States citizen, and (vii) Raymond Harbert, a United States citizen (collectively, the "Reporting Persons").
 - (b) The principal business address for each of the Reporting Persons is 2100 Third Avenue North, Suite 600, Birmingham, Alabama 35203.
 - (c) Kenan Lucas is the Managing Director and Portfolio Manager of the Fund GP, which serves as the general partner of the Fund. Jack Bryant is a Senior Advisor to the Fund, and a Vice President and Senior Managing Director of HMC. Raymond Harbert is the controlling shareholder, Chairman and Chief Executive Officer of HMC, an alternative asset investment management firm that is the managing member of the Fund GP. Mr. Harbert also serves as the Chairman, Chief Executive Officer and Director of HFA, an indirect, wholly owned subsidiary of HMC, which provides the Fund with certain operational and administrative services. The principal business of the Fund is purchasing, holding and selling securities for investment purposes..
 - (d) None of the Reporting Persons have, during the last five years, been convicted in a criminal proceeding (excluding traffic violations or similar misdemeanors).
 - (e) None of the Reporting Persons have, during the last five years, been a party to a civil proceeding of a judicial or administrative body of competent jurisdiction and as a result of such proceeding were or are subject to a judgment, decree or final order enjoining future violations of, or prohibiting or mandating activities subject to, Federal or state securities laws or finding any violation with respect to such laws.
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Item 3. Source and Amount of Funds or Other Consideration.

The funds for the purchase of the Shares by the Fund came from the working capital of the Fund, over which HFA, HMC, the Fund GP, Jack Bryant, Kenan Lucas and Raymond Harbert, through their roles described above in Item 2(c), exercise investment discretion. No borrowed funds were used to purchase the Shares, other than borrowed funds used for working capital purposes in the ordinary course of business. The total costs of the Shares directly owned by Harbert Discovery Fund, LP is approximately \$4,368,862.

Item 4. Purpose of Transaction.

The Reporting Persons purchased the securities of the Issuer reported herein based on their belief that the securities were undervalued and represented an attractive investment opportunity.

The Reporting Persons have had and anticipate having further conversations with members of the Issuer's management and board of directors regarding possible ways to enhance shareholder value. The topics of these conversations will cover a range of issues, including those relating to the business of the Issuer, management, operations, capital allocation, investor communications strategy, asset allocation, capitalization, dividend policy, financial condition, mergers and acquisitions strategy, overall business strategy, executive compensation, and corporate governance. The Reporting Persons may also have similar conversations with other stockholders of the Issuer and other interested parties, such as industry analysts, existing or potential strategic partners or competitors, investment professionals, and other investors. The Reporting Persons may at any time reconsider and change their intentions relating to the foregoing.

No Reporting Person has any present plan or proposal which would relate to or would result in any of the matters set forth in subparagraphs (a)-(j) of Item 4 of Schedule 13D except as set forth herein or such as would occur upon completion of any of the actions discussed herein. The Reporting Persons may in the future take one or more of the actions described in subsections (a) through (j) of Item 4 of Schedule 13D and may discuss such actions with the Issuer's management and the board of directors, other stockholders of the Issuer, and other interested parties, such as those set out above.

The Reporting Persons intend to review their investments in the Issuer on a continuing basis. Depending on various factors, including, without limitation, the Issuer's financial position and strategic direction, the outcome of the discussions and actions referenced above, actions taken by the Issuer's board of directors, price levels of the Common Stock, other investment opportunities available to the Reporting Persons, conditions in the securities market and general economic and industry conditions, the Reporting Persons may in the future take actions with respect to its investment position in the Issuer as it deems appropriate, including, without limitation, purchasing additional Common Stock or selling some or all of its Common Stock, and/or engaging in hedging or similar transactions with respect to the Common Stock.

Item 5. Interest in Securities of the Issuer.

(a) - (e) As of the date hereof, (i) HFA, HMC, and Raymond Harbert may be deemed to be the beneficial owners of 735,916 Shares, constituting 5.2% of the Shares, and the Fund GP, the Fund, Jack Bryant, and Kenan Lucas may be deemed to be the beneficial owners of 735,916 Shares, constituting 5.2% of the Shares based upon *14,268,797 Shares outstanding as of the date hereof.

HFA has the sole power to vote or direct the vote of 0 Shares; has the shared power to vote or direct the vote of 735,916 Shares; has the sole power to dispose or direct the disposition of 0 Shares; and has the shared power to dispose or direct the disposition of 735,916 Shares.

HMC has the sole power to vote or direct the vote of 0 Shares; has the shared power to vote or direct the vote of 735,916 Shares; has the sole power to dispose or direct the disposition of 0 Shares; and has the shared power to dispose or direct the disposition of 735,916 Shares.

The Fund GP has the sole power to vote or direct the vote of 0 Shares; has the shared power to vote or direct the vote of 735,916 Shares; has the sole power to dispose or direct the disposition of 0 Shares; and has the shared power to dispose or direct the disposition of 735,916 Shares.

The Fund has the sole power to vote or direct the vote of 0 Shares; has the shared power to vote or direct the vote of 735,916 Shares; has the sole power to dispose or direct the disposition of 0 Shares; and has the shared power to dispose or direct the disposition of 735,916 Shares.

Jack Bryant has the sole power to vote or direct the vote of 0 Shares; has the shared power to vote or direct the vote of 735,916 Shares; has the sole power to dispose or direct the disposition of 0 Shares; and has the shared power to dispose or direct the disposition of 735,916 Shares.

Kenan Lucas has the sole power to vote or direct the vote of 0 Shares; has the shared power to vote or direct the vote of 735,916 Shares; has the sole power to dispose or direct the disposition of 0 Shares; and has the shared power to dispose or direct the disposition of 735,916 Shares.

Raymond Harbert has the sole power to vote or direct the vote of 0 Shares; has the shared power to vote or direct the vote of 735,916 Shares; has the sole power to dispose or direct the disposition of 0 Shares; and has the shared power to dispose or direct the disposition of 735,916 Shares.

The trading dates, number of Shares purchased or sold, and the price per share for all transactions by the Reporting Persons in the Shares within the last 60 days, are set forth below:

Date	Price Per Share	Number of Shares Purchased
11/21/2019	\$5.72	19,410
11/22/2019	\$5.74	5,364
11/26/2019	\$5.99	600
11/27/2019	\$5.95	9,590
11/29/2019	\$5.97	7,217
12/2/2019	\$5.85	17,397
12/3/2019	\$5.80	508
12/4/2019	\$5.75	3,112
12/6/2019	\$5.99	4,066
12/9/2019	\$6.02	700

*This outstanding Shares figure reflects the number of outstanding Shares at November 7, 2019, as reported in the Issuer's Form 10-K Annual Report, which was filed on November 21, 2019.

Item 6. Contracts, Arrangements, Understandings or Relationships with Respect to Securities of the Issuer.

There are no contracts, arrangements, understandings or relationships among the Reporting Persons, or between the Reporting Persons and any other person, with respect to the securities of the Issuer.

Item 7. Material to be Filed as Exhibits.

Exhibit A: Joint Filing Agreement

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.

December 11, 2019

(Date)

Harbert Discovery Fund, LP

By: Harbert Discovery Fund GP, LLC,
its General Partner

By: Harbert Management Corporation,
its Managing Member

By: /s/ John McCullough
Executive Vice President and General Counsel

Harbert Discovery Fund GP, LLC*

By: Harbert Management Corporation,
its Managing Member

By: /s/ John McCullough
Executive Vice President and General Counsel

Harbert Fund Advisors, Inc.*

By: /s/ John McCullough
Executive Vice President and
General Counsel

Harbert Management Corporation*

By: /s/ John McCullough
Executive Vice President and General Counsel

/s/ Jack Bryant*

Jack Bryant

/s/ Kenan Lucas*

Kenan Lucas

/s/ Raymond Harbert*

Raymond Harbert

* This reporting person disclaims beneficial ownership of these reported securities except to the extent of its pecuniary interest therein, and this report shall not be deemed an admission that any such person is the beneficial owner of these securities for purposes of Section 16 of the U.S. Securities Exchange Act of 1934, as amended, or for any other purpose.

Attention: Intentional misstatements or omissions of fact constitute Federal criminal violations (see 18 U.S.C. 1001).

AGREEMENT

The undersigned agree that this Schedule 13D, dated December 11, 2019, relating to the Common Stock, \$0.01 par value of Amtech Systems, Inc. shall be filed on behalf of the undersigned.

December 11, 2019

(Date)

Harbert Discovery Fund, LP

By: Harbert Discovery Fund GP, LLC,
its General Partner

By: Harbert Management Corporation,
its Managing Member

By: /s/ John McCullough
Executive Vice President and
General Counsel

Harbert Discovery Fund GP, LLC

By: Harbert Management Corporation,
its Managing Member

By: /s/ John McCullough
Executive Vice President and
General Counsel

Harbert Fund Advisors, Inc.

By: /s/ John McCullough
Executive Vice President and
General Counsel

Harbert Management Corporation

By: /s/ John McCullough
Executive Vice President and
General Counsel

/s/ Jack Bryant
Jack Bryant

/s/ Kenan Lucas
Kenan Lucas

/s/ Raymond Harbert
Raymond Harbert
