

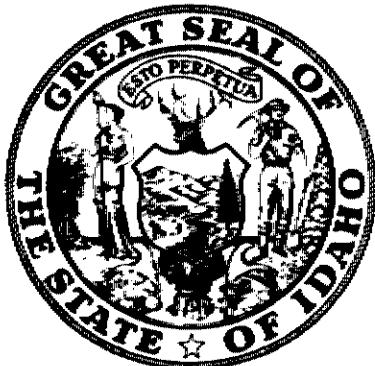
**CERTIFICATE OF AUTHORITY
OF
VORTEX INDUSTRIES, INC.**

I, PETE T. CENARRUSA, Secretary of State of the State of Idaho, hereby certify that
VORTEX INDUSTRIES, INC.
duplicate originals of an Application of _____

for a Certificate of Authority to transact business in this State.
duly signed and verified pursuant to the provisions of the Idaho Business Corporation Act, have
been received in this office and are found to conform to law.

ACCORDINGLY and by virtue of the authority vested in me by law, I issue this Certificate of
VORTEX INDUSTRIES, INC.
Authority to _____
to transact business in this State under the name _____
and attach hereto a duplicate original of the Application
for such Certificate.

Dated March 4, 1988



Pete T. Cenarrusa
SECRETARY OF STATE

Sandra Mather
Corporation Clerk

APPLICATION FOR CERTIFICATE OF AUTHORITY

(Profit Corporation)

REC
SEC

To the Secretary of State of Idaho

Pursuant to Section 30-1-110, Idaho Code, the undersigned Corporation hereby applies for a Certificate of Authority to ~~conduct~~ business in your State, and for that purpose submits the following statement:

1. The name of the corporation is Vortex Industries, Inc.
2. The name which it shall use in Idaho is Vortex Industries, Inc.
- (To be used only when required to avoid a conflict with a name already on file. Must be accompanied by a Board of Directors resolution adopting assumed name in Idaho.)
3. It is incorporated under the laws of Nevada
4. The date of its incorporation is January 22, 1987 and the period of its duration is perpetual.
5. The address of its principal office in the state or country under the laws of which it is incorporated is 1300A South Curry Street - Box 2849 - Carson City, NV 89702
6. The address to which correspondence should be addressed, if different from that in item 5.
P.O. Box 1767, Sun Valley, ID 83353
7. The street address of its proposed registered office in Idaho is 612 West Warm Springs Road Ketchum, ID 83340, and the name of its proposed registered agent in Idaho at that address is Joseph M. Dunkel
8. The purpose or purposes which it proposes to pursue in the transaction of business in Idaho are:
minerals processing
9. The names and respective addresses of its directors and officers are:

Name	Office	Address
Joseph M. Dunkel	Director and President	P.O. Box 1767, Sun Valley, ID 83353
Bernadette S. Dunkel	Director & Secretary/ Treasurer	P.O. Box 1767, Sun Valley, ID 83353
G. Michael Heinecke	Director & Vice-President	4640 Hemlock Drive - Salt Lake City UT 841123

(continued on reverse)

10. The corporation accepts and shall comply with the provisions of the Constitution and the laws of the State of Idaho.
11. This Application is accompanied by a certificate of Corporate Status or Existence, duly authenticated by the proper officer of the state or country under the laws of which it is incorporated.

Dated: March 3, 1988

Vortex Industries, Inc.
(Corporation Name)
By John S. Dunke
Its President/~~Vice President~~ (please specify)
and Jamesette S. Dunke
Its Secretary/~~Assistant Secretary~~ (please specify)

STATE OF IDAHO)
) ss:
COUNTY OF BLAINE)

I, _____, a notary public, do hereby certify that on
this third day of March, 1988, personally appeared before
me Joseph M. Dunkel, who being by me first duly sworn, declared that (s)he
is the President of Vortex Industries, Inc.

that (x) he signed the foregoing document as President of the corporation and that the statements therein contained are true.

Cristine R. Mink
Notary Public

STATE OF NEVADA
DEPARTMENT OF STATE

RECEIVED
SEC. OF STATE

98 MAR 4 AM 9 02

CERTIFICATE OF CORPORATE STATUS

I, FRANKIE SUE DEL PAPA, the duly elected, qualified and acting Secretary of State of the State of Nevada, do hereby certify that I am, by the laws of said State, the custodian of the records relating to corporations organized under the laws thereof; the revocation or suspension of their corporate charters, and their right to transact and carry on their corporate business; and am the proper officer to execute this certificate.

I further certify that, at the date of this certificate,

VORTEX INDUSTRIES, INC.

is a corporation duly organized and existing under and by virtue of the laws of the State of Nevada, having fully complied therewith; is entitled to exercise therein all the corporate powers and functions recited in its charter or articles of incorporation, and is in good standing in this State as a subsisting corporation.

IN WITNESS WHEREOF, I have hereunto set my hand

and affixed the Great Seal of the State at my office in
Carson City, Nevada, this 12TH day of

FEBRUARY, A.D., 19 88

Frankie Sue Del Papa
Secretary of State
By Kandala Kiche
Deputy